

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

RCM

Band	Channel	Power(dBm)	EIRP(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band2	9262	22.34	24.49	22.34	33	PASS
Band2	9400	22.11	24.26	22.11	33	PASS
Band2	9538	21.94	24.09	21.94	33	PASS
Band5	4132	22.16	24.31	22.16	38.5	PASS
Band5	4182	22.14	24.29	22.14	38.5	PASS
Band5	4233	22.38	24.53	22.38	38.5	PASS

HSDPA

Band	Channel	SubTest	Power(dBm)	EIRP(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.22	24.37	22.22	33	PASS
Band2	9262	2	22.29	24.44	22.29	33	PASS
Band2	9262	3	21.86	24.01	21.86	33	PASS
Band2	9262	4	21.81	23.96	21.81	33	PASS
Band2	9400	1	22.05	24.2	22.05	33	PASS
Band2	9400	2	22.06	24.21	22.06	33	PASS
Band2	9400	3	21.66	23.81	21.66	33	PASS
Band2	9400	4	21.66	23.81	21.66	33	PASS
Band2	9538	1	21.96	24.11	21.96	33	PASS
Band2	9538	2	21.89	24.04	21.89	33	PASS
Band2	9538	3	21.52	23.67	21.52	33	PASS
Band2	9538	4	21.53	23.68	21.53	33	PASS
Band5	4132	1	22.2	24.35	22.2	38.5	PASS
Band5	4132	2	22.24	24.39	22.24	38.5	PASS
Band5	4132	3	21.81	23.96	21.81	38.5	PASS
Band5	4132	4	21.8	23.95	21.8	38.5	PASS
Band5	4182	1	22.14	24.29	22.14	38.5	PASS
Band5	4182	2	22.28	24.43	22.28	38.5	PASS
Band5	4182	3	21.79	23.94	21.79	38.5	PASS
Band5	4182	4	21.77	23.92	21.77	38.5	PASS
Band5	4233	1	22.34	24.49	22.34	38.5	PASS
Band5	4233	2	22.48	24.63	22.48	38.5	PASS

Band	Channel	SubTest	Power(dBm)	EIRP(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	4233	3	21.97	24.12	21.97	38.5	PASS
Band5	4233	4	21.94	24.09	21.94	38.5	PASS

HSUPA

Band	Channel	SubTest	Power(dBm)	EIRP(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.79	22.94	20.79	33	PASS
Band2	9262	2	21.28	23.43	21.28	33	PASS
Band2	9262	3	21.81	23.96	21.81	33	PASS
Band2	9262	4	20.84	22.99	20.84	33	PASS
Band2	9262	5	21.21	23.36	21.21	33	PASS
Band2	9400	1	20.9	23.05	20.9	33	PASS
Band2	9400	2	21.39	23.54	21.39	33	PASS
Band2	9400	3	21.94	24.09	21.94	33	PASS
Band2	9400	4	20.93	23.08	20.93	33	PASS
Band2	9400	5	20.31	22.46	20.31	33	PASS
Band2	9538	1	20.99	23.14	20.99	33	PASS
Band2	9538	2	21.46	23.61	21.46	33	PASS
Band2	9538	3	21.97	24.12	21.97	33	PASS
Band2	9538	4	21.01	23.16	21.01	33	PASS
Band2	9538	5	21.12	23.27	21.12	33	PASS
Band5	4132	1	21.07	23.22	21.07	38.5	PASS
Band5	4132	2	21.57	23.72	21.57	38.5	PASS
Band5	4132	3	22.05	24.2	22.05	38.5	PASS
Band5	4132	4	21.1	23.25	21.1	38.5	PASS
Band5	4132	5	21.09	23.24	21.09	38.5	PASS
Band5	4182	1	21.12	23.27	21.12	38.5	PASS
Band5	4182	2	21.64	23.79	21.64	38.5	PASS
Band5	4182	3	22.07	24.22	22.07	38.5	PASS
Band5	4182	4	21.14	23.29	21.14	38.5	PASS
Band5	4182	5	21.23	23.38	21.23	38.5	PASS
Band5	4233	1	21.12	23.27	21.12	38.5	PASS
Band5	4233	2	21.59	23.74	21.59	38.5	PASS
Band5	4233	3	22.06	24.21	22.06	38.5	PASS
Band5	4233	4	21.13	23.28	21.13	38.5	PASS
Band5	4233	5	21.33	23.48	21.33	38.5	PASS

Note 1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]} - 2.15$$

$$\text{EIRP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]}$$

b, SGP=Signal Generator Level

c, Antenna gain of WCDMA1900 is 2.15dBi; Antenna gain of WCDMA850 is 2.15dBi;

Note 2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

SET RBW=1% of the OBW, not to exceed 1MHz

$$\text{SET VBW} \geq 3 * \text{RBW}$$

SET SWEEP time=auto couple

Detector: RMS

AppendixB: Peak-to-Average Ratio

Test Result

RCM

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.64	13	PASS
Band2	9400	2.81	13	PASS
Band2	9538	2.96	13	PASS
Band5	4132	3.3	13	PASS
Band5	4182	3.07	13	PASS
Band5	4233	2.93	13	PASS

HSDAP

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	2.7	13	PASS
Band2	9262	2	2.7	13	PASS
Band2	9262	3	5.54	13	PASS
Band2	9262	4	5.91	13	PASS
Band2	9400	1	2.87	13	PASS
Band2	9400	2	2.87	13	PASS
Band2	9400	3	5.65	13	PASS
Band2	9400	4	5.83	13	PASS
Band2	9538	1	2.99	13	PASS
Band2	9538	2	2.99	13	PASS
Band2	9538	3	5.71	13	PASS
Band2	9538	4	5.77	13	PASS
Band5	4132	1	3.39	13	PASS
Band5	4132	2	3.36	13	PASS
Band5	4132	3	5.86	13	PASS
Band5	4132	4	6	13	PASS
Band5	4182	1	3.13	13	PASS
Band5	4182	2	3.16	13	PASS
Band5	4182	3	5.74	13	PASS
Band5	4182	4	5.88	13	PASS
Band5	4233	1	3.01	13	PASS
Band5	4233	2	2.99	13	PASS
Band5	4233	3	5.65	13	PASS
Band5	4233	4	5.86	13	PASS

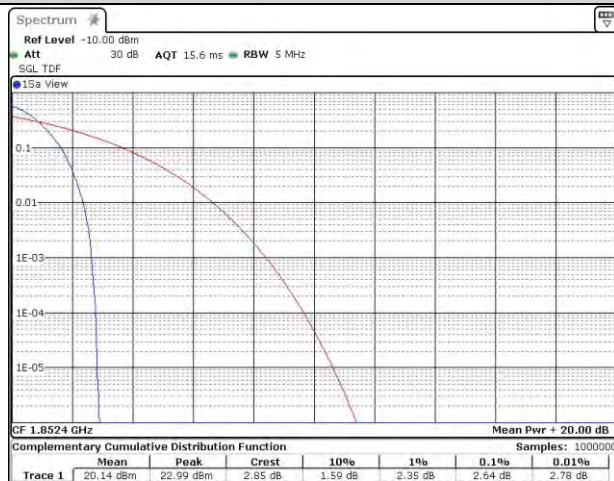
HSUAP

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.64	13	PASS
Band2	9262	2	5.57	13	PASS
Band2	9262	3	5.13	13	PASS
Band2	9262	4	5.71	13	PASS
Band2	9262	5	4.29	13	PASS
Band2	9400	1	4.58	13	PASS
Band2	9400	2	3.3	13	PASS
Band2	9400	3	3.74	13	PASS
Band2	9400	4	3.42	13	PASS
Band2	9400	5	8.46	13	PASS
Band2	9538	1	4.87	13	PASS
Band2	9538	2	3.13	13	PASS
Band2	9538	3	3.62	13	PASS
Band2	9538	4	3.1	13	PASS
Band2	9538	5	8.52	13	PASS
Band5	4132	1	4.49	13	PASS
Band5	4132	2	5.51	13	PASS
Band5	4132	3	5.07	13	PASS
Band5	4132	4	5.65	13	PASS
Band5	4132	5	4.23	13	PASS
Band5	4182	1	4.58	13	PASS
Band5	4182	2	3.28	13	PASS
Band5	4182	3	3.77	13	PASS
Band5	4182	4	3.28	13	PASS
Band5	4182	5	6.14	13	PASS
Band5	4233	1	5.04	13	PASS
Band5	4233	2	3.16	13	PASS
Band5	4233	3	3.59	13	PASS
Band5	4233	4	3.16	13	PASS
Band5	4233	5	4.93	13	PASS

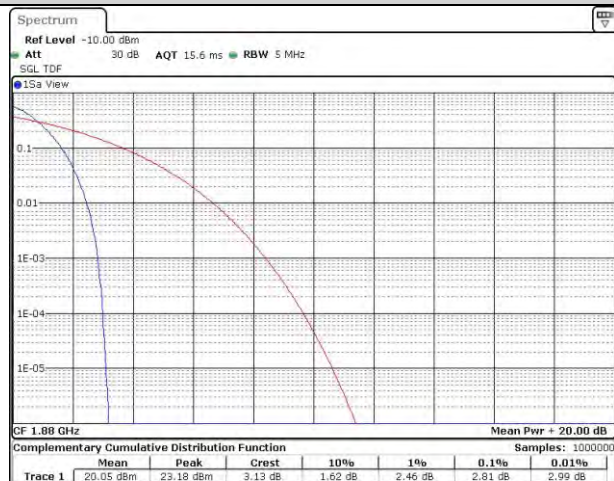
Test Graphs

RMC

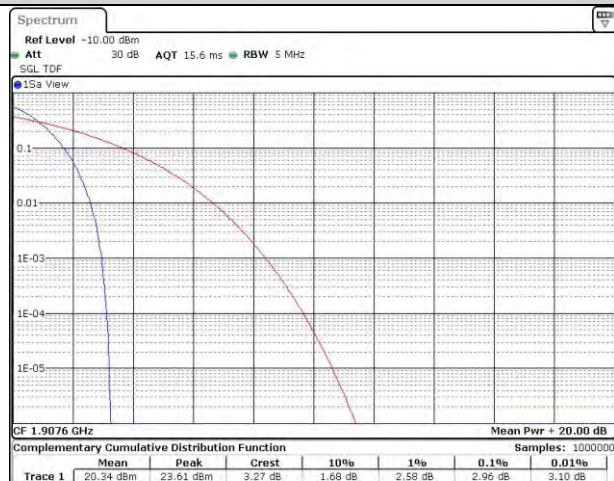
Band2-9262



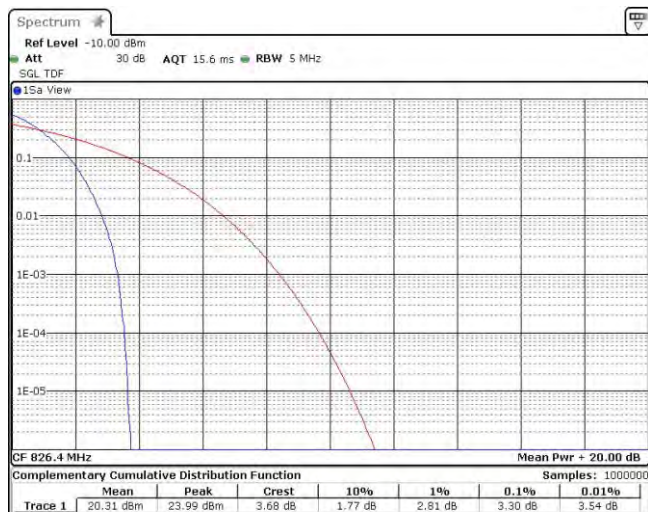
Band2-9400



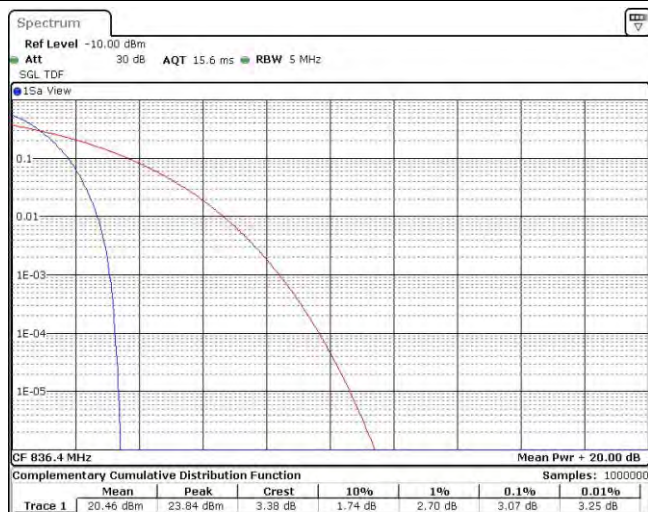
Band2-9538



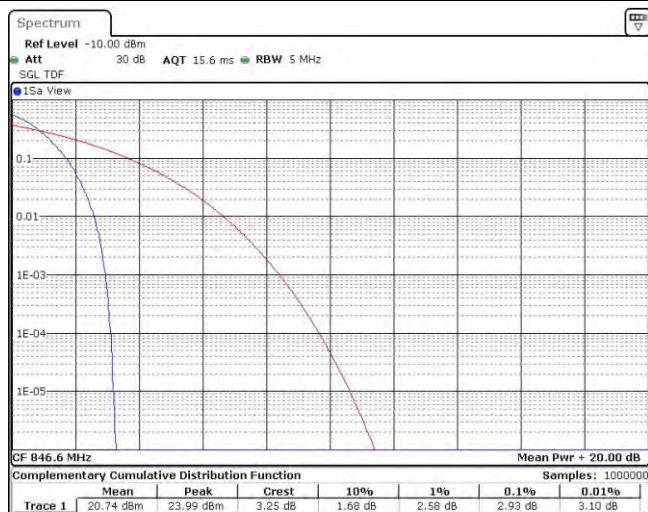
Band5-4132



Band5-4182

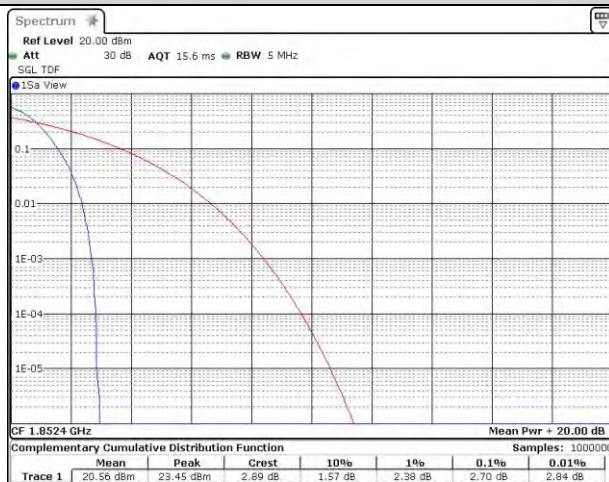


Band5-4233

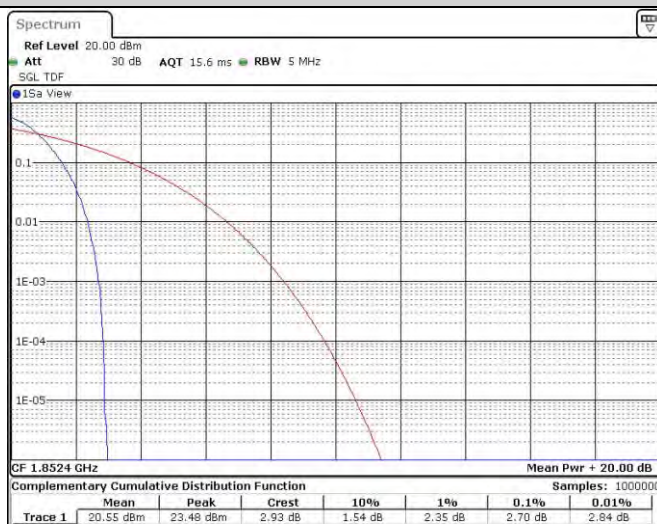


HSDPA

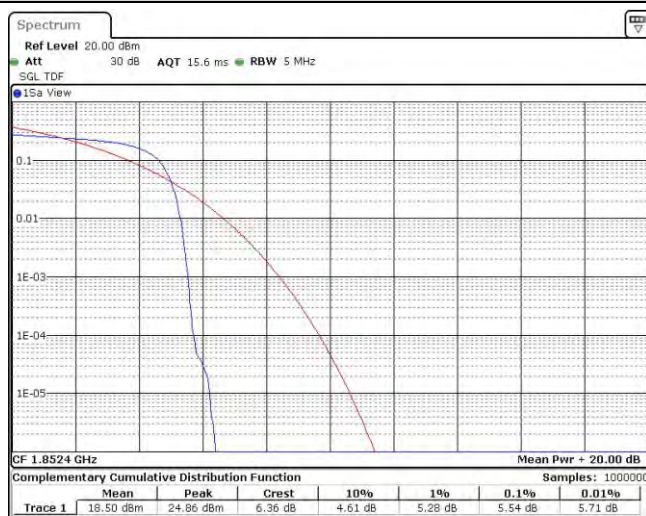
Band2-9262-1



Band2-9262-2



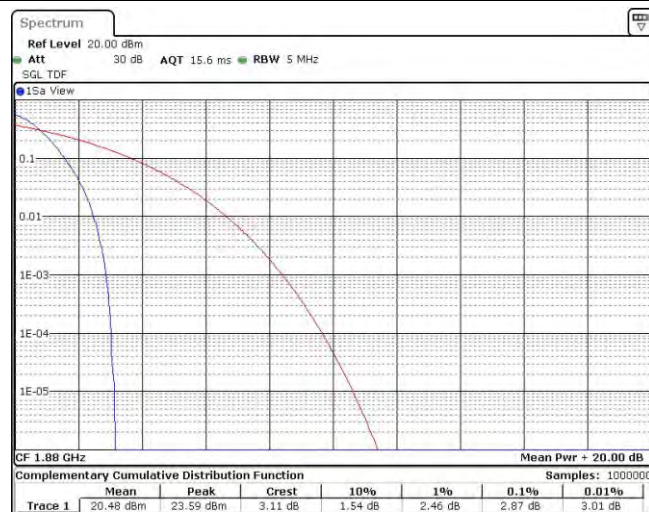
Band2-9262-3



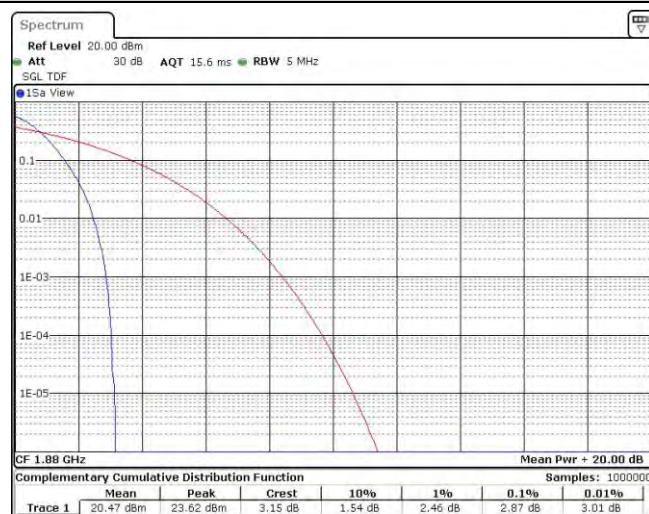
Band2-9262-4



Band2-9400-1



Band2-9400-2



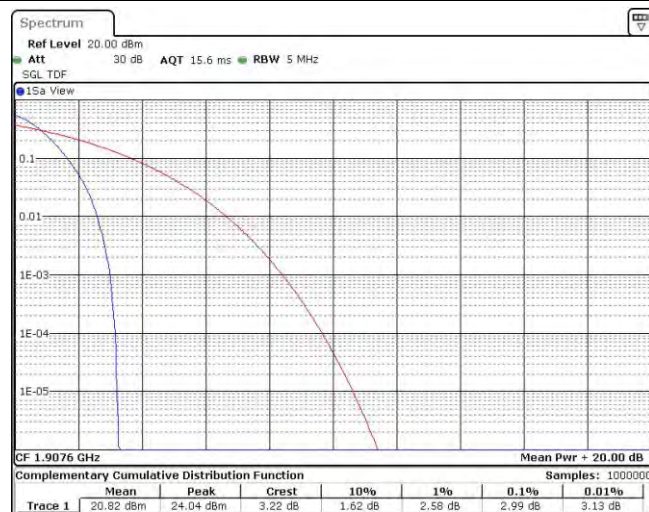
Band2-9400-3



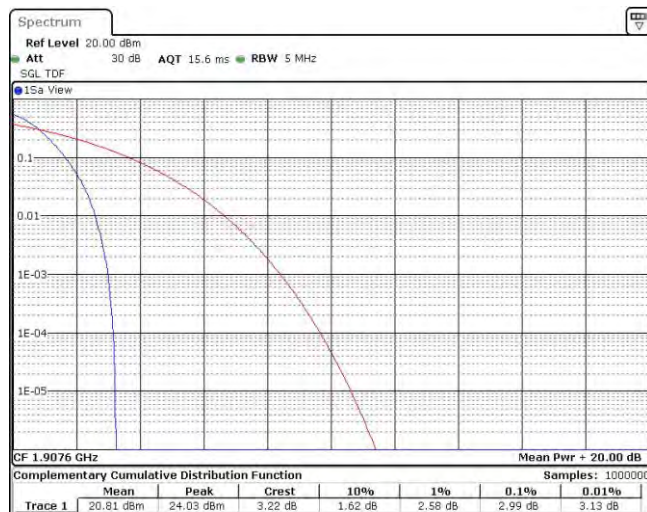
Band2-9400-4



Band2-9538-1



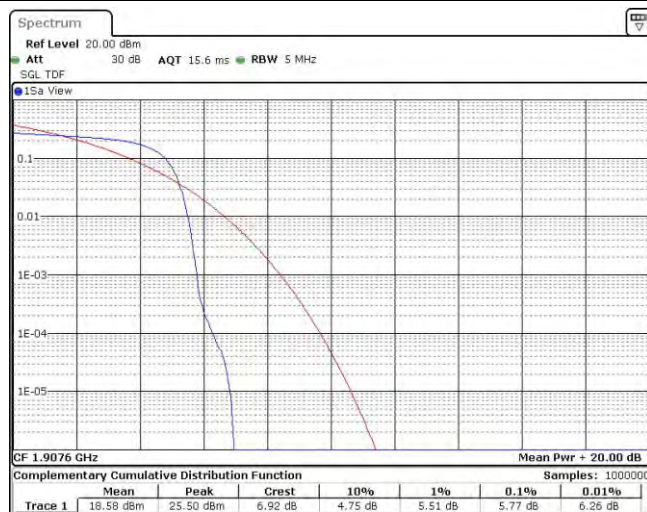
Band2-9538-2



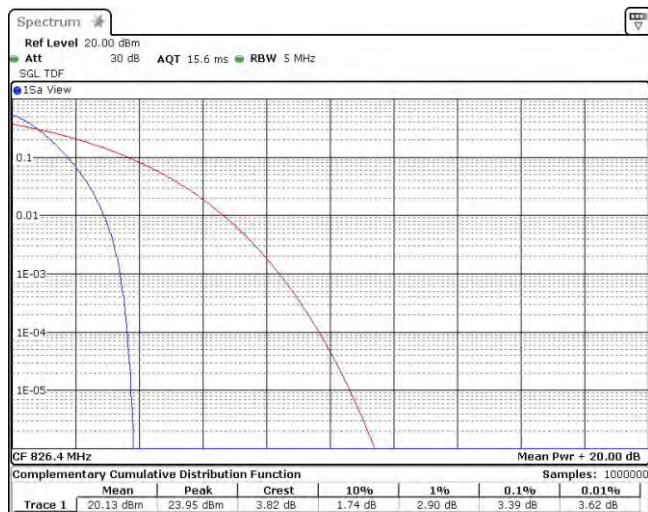
Band2-9538-3



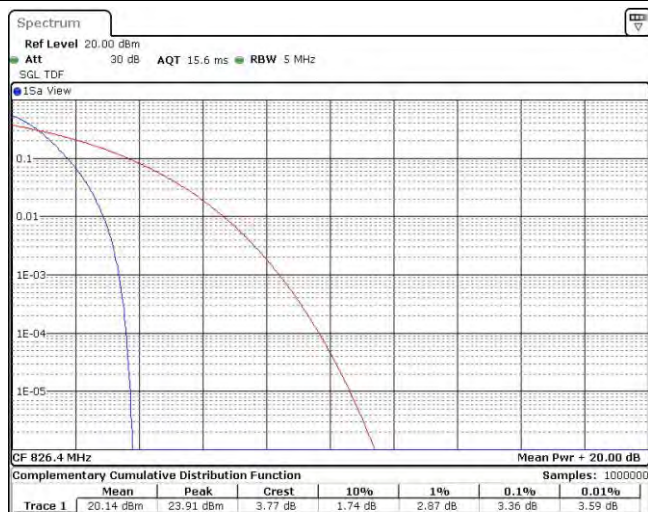
Band2-9538-4



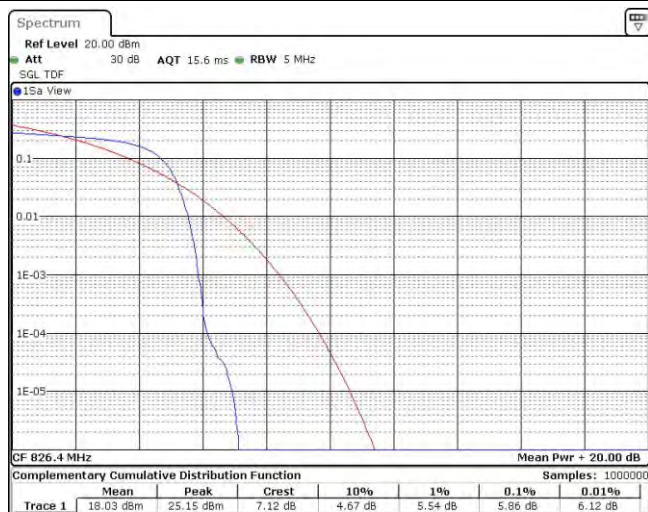
Band5-4132-1



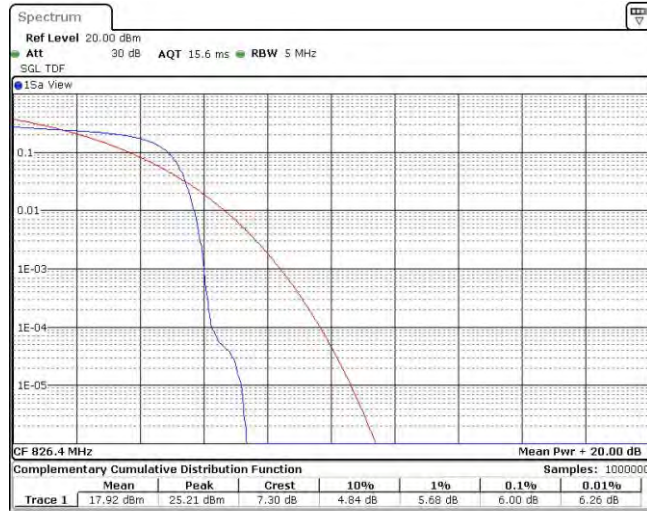
Band5-4132-2



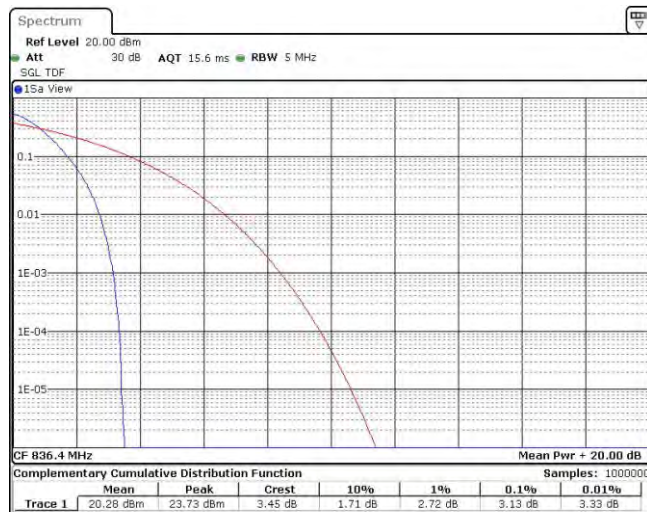
Band5-4132-3



Band5-4132-4



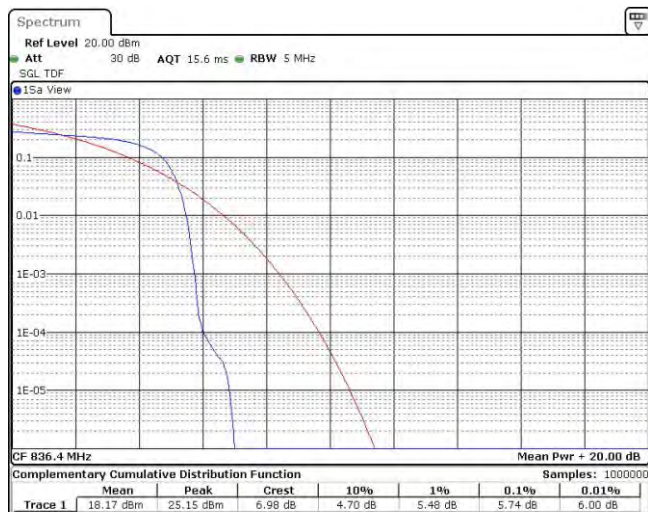
Band5-4182-1



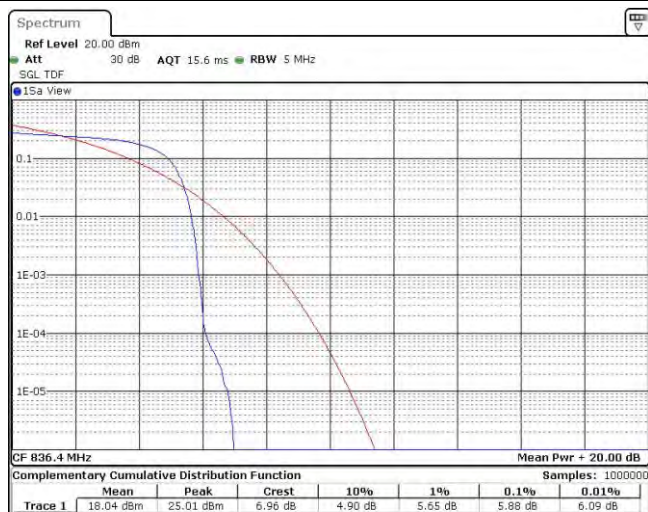
Band5-4182-2



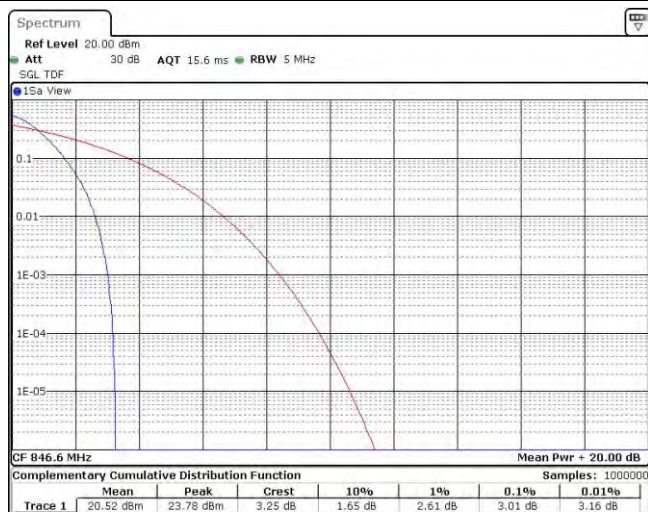
Band5-4182-3



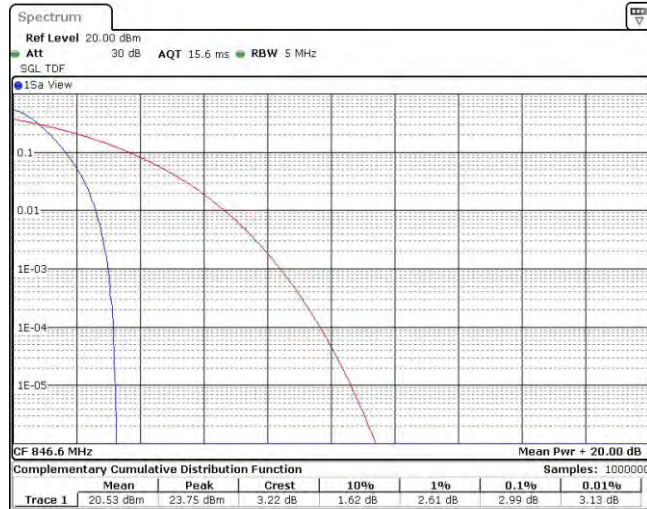
Band5-4182-4



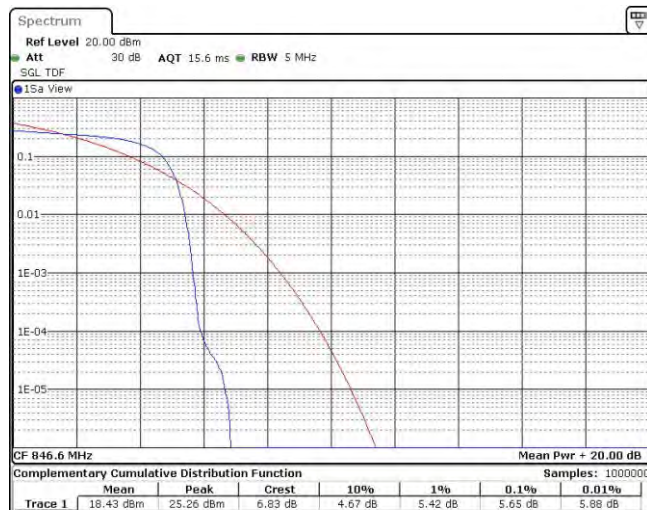
Band5-4233-1



Band5-4233-2



Band5-4233-3

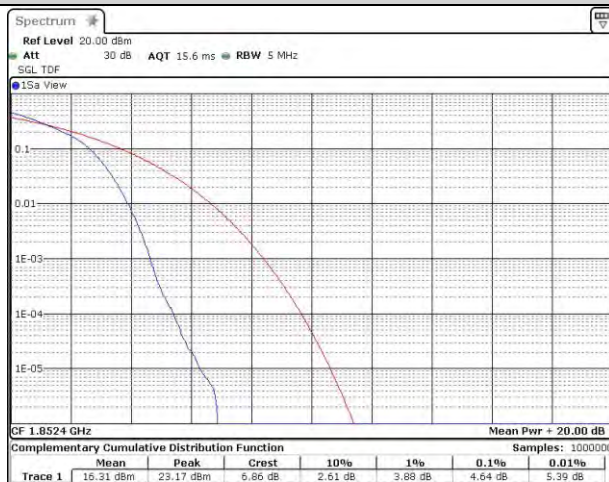


Band5-4233-4

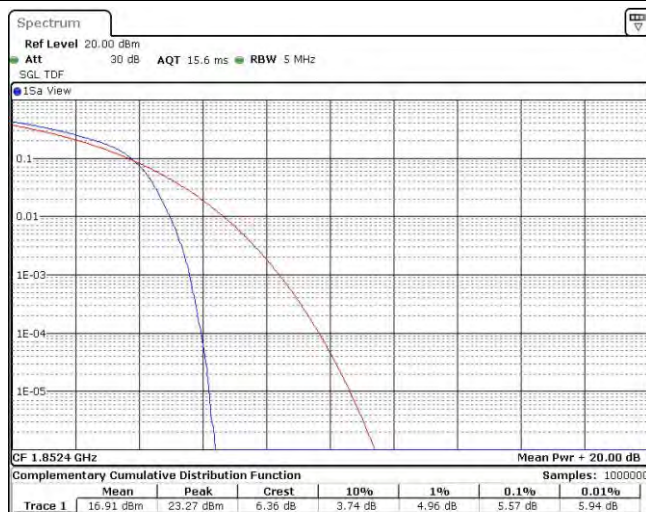


HSUPA

Band2-9262-1



Band2-9262-2



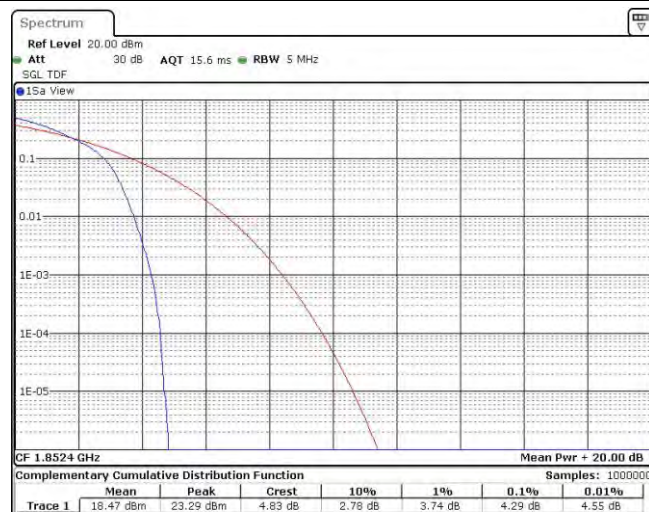
Band2-9262-3



Band2-9262-4



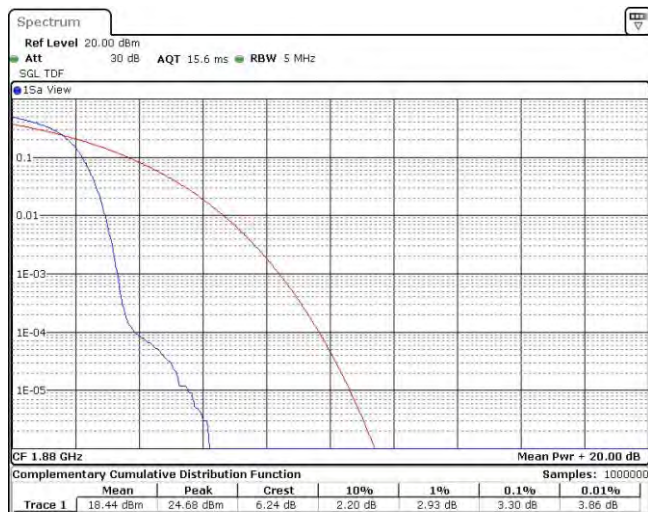
Band2-9262-5



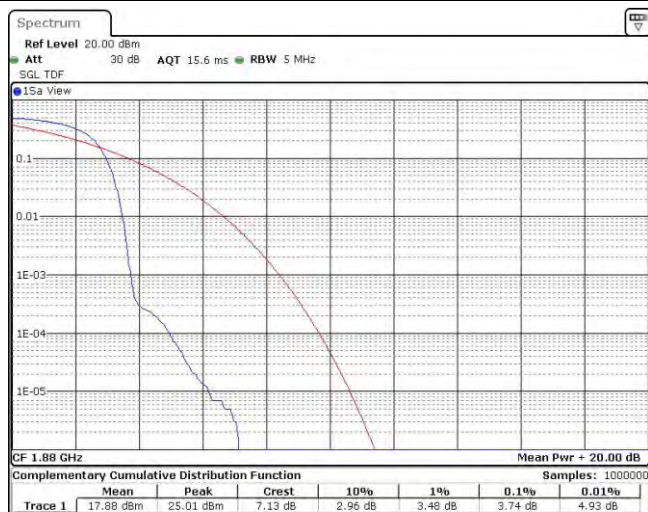
Band2-9400-1



Band2-9400-2



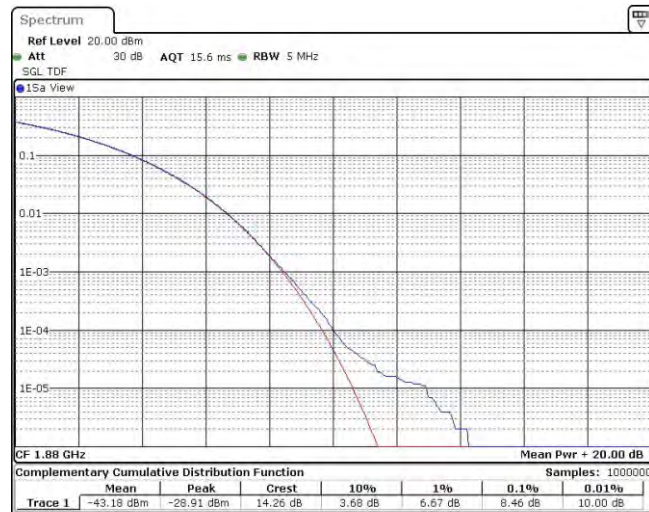
Band2-9400-3



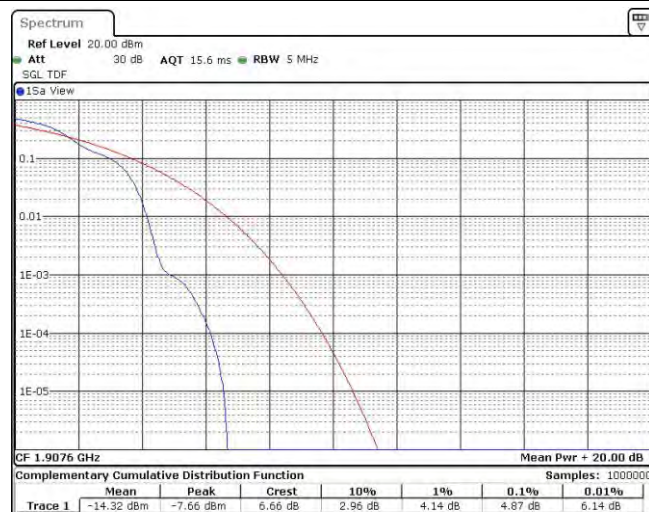
Band2-9400-4



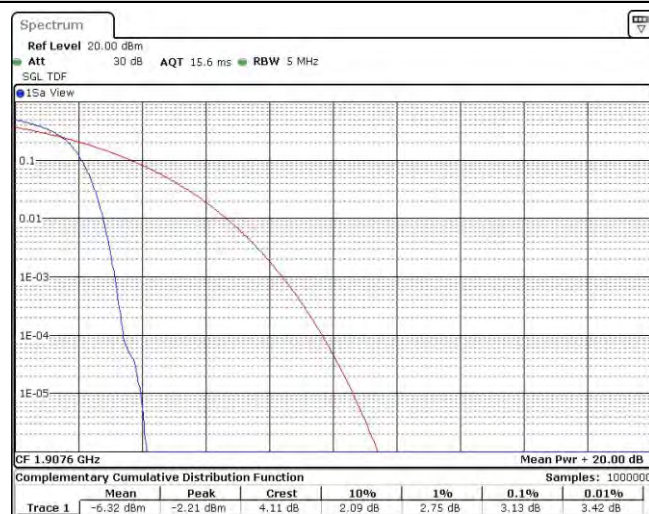
Band2-9400-5



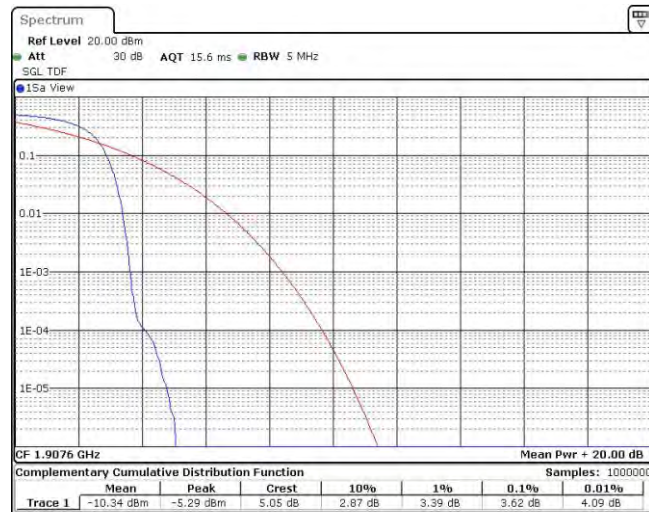
Band2-9538-1



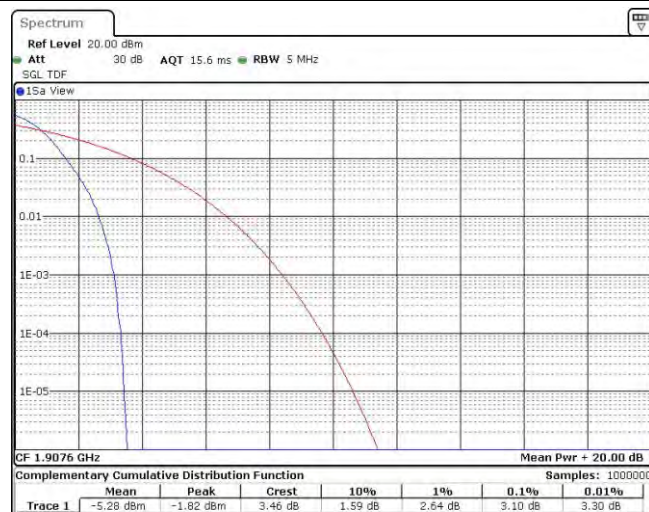
Band2-9538-2



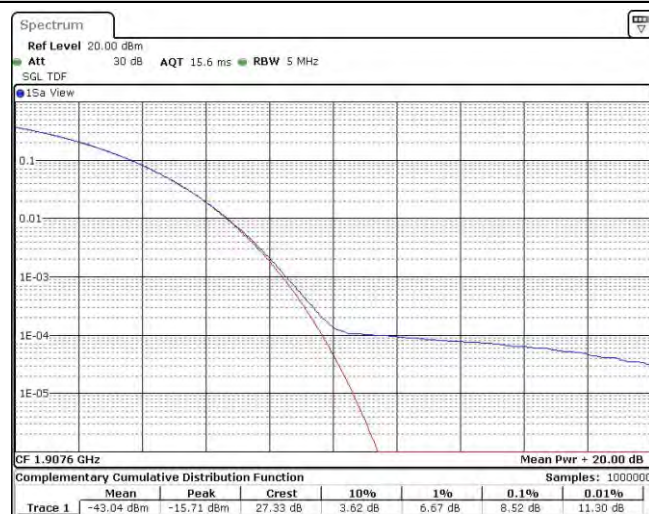
Band2-9538-3



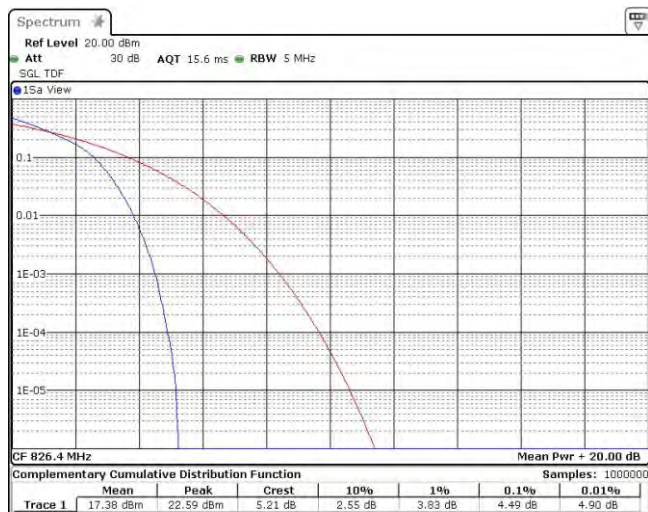
Band2-9538-4



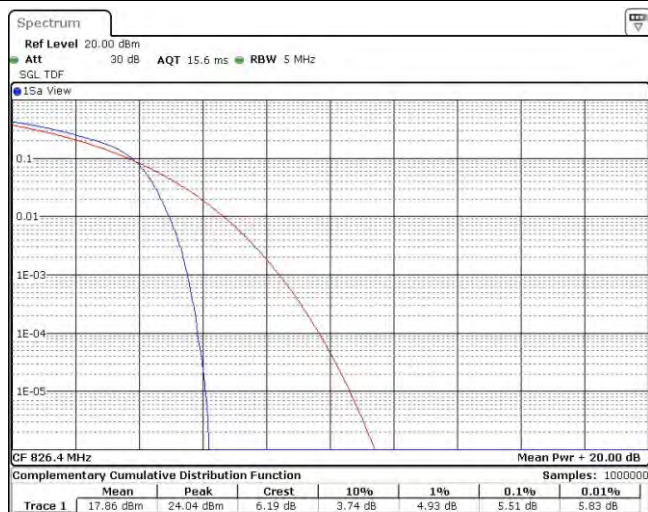
Band2-9538-5



Band5-4132-1



Band5-4132-2



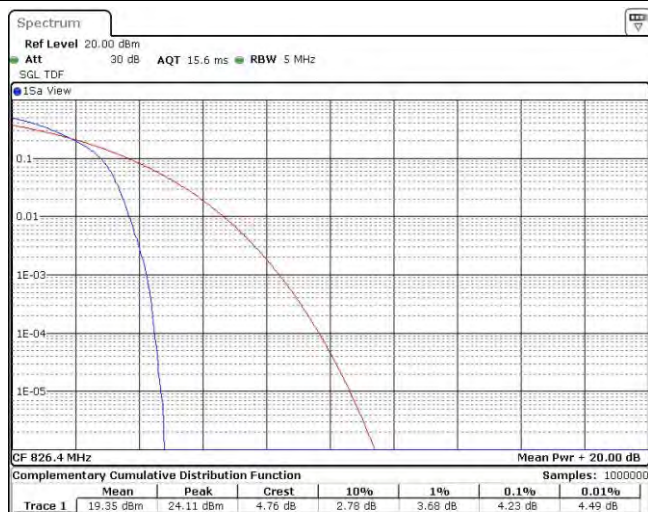
Band5-4132-3



Band5-4132-4



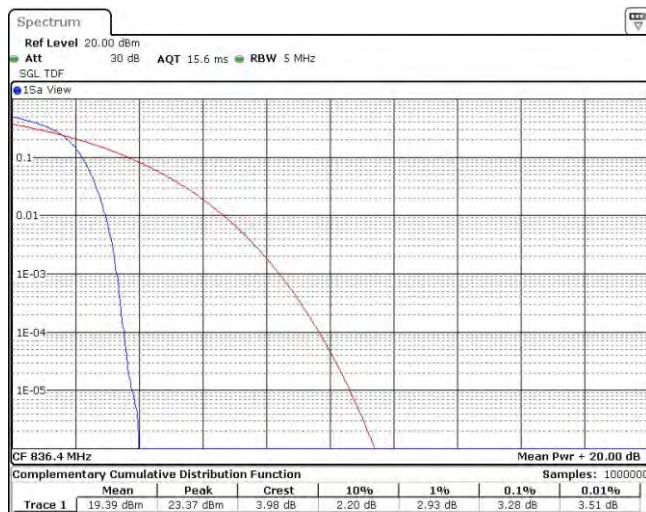
Band5-4132-5



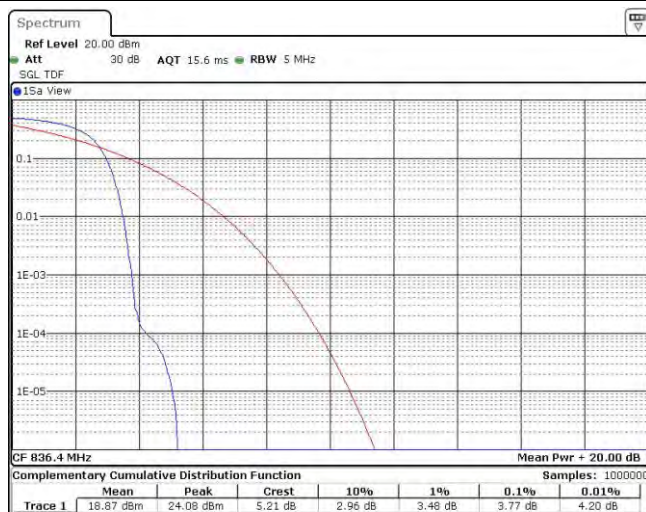
Band5-4182-1



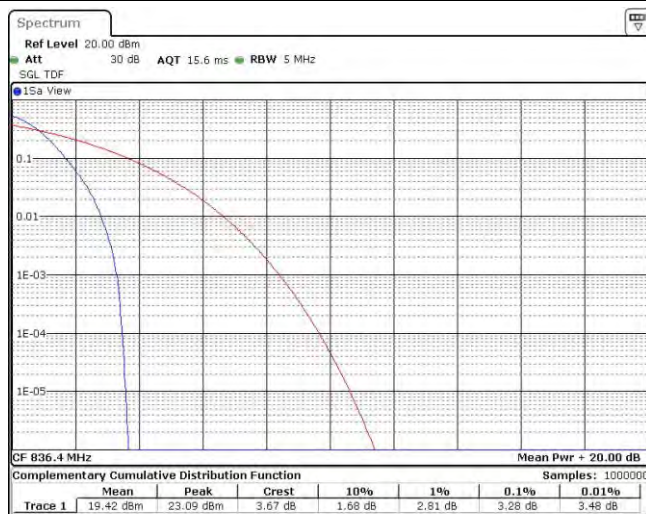
Band5-4182-2



Band5-4182-3



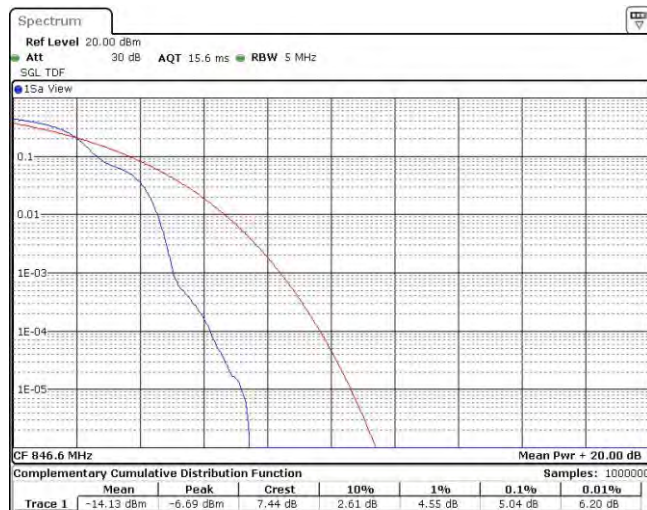
Band5-4182-4



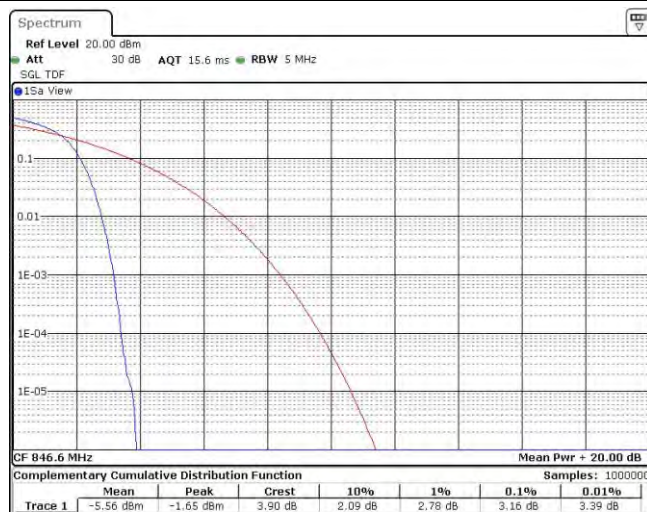
Band5-4182-5



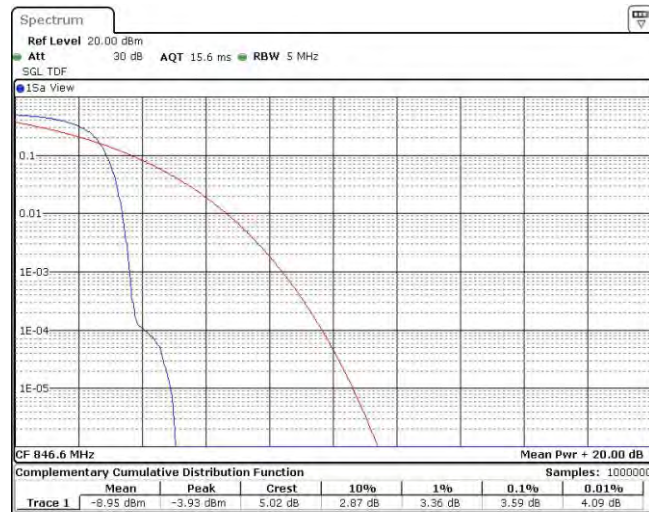
Band5-4233-1



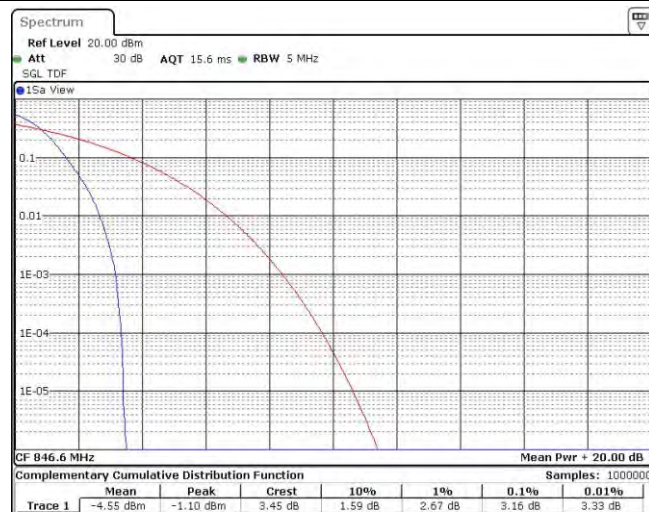
Band5-4233-2



Band5-4233-3



Band5-4233-4



Band5-4233-5



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

RCM

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.106	4.73	---	PASS
Band2	9400	4.096	4.71	---	PASS
Band2	9538	4.076	4.69	---	PASS
Band5	4132	4.076	4.66	---	PASS
Band5	4182	4.086	4.67	---	PASS
Band5	4233	4.086	4.71	---	PASS

HSDPA

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.106	4.73	---	PASS
Band2	9262	2	4.106	4.73	---	PASS
Band2	9262	3	4.086	4.66	---	PASS
Band2	9262	4	4.086	4.68	---	PASS
Band2	9400	1	4.096	4.73	---	PASS
Band2	9400	2	4.096	4.70	---	PASS
Band2	9400	3	4.076	4.66	---	PASS
Band2	9400	4	4.076	4.65	---	PASS
Band2	9538	1	4.076	4.70	---	PASS
Band2	9538	2	4.096	4.68	---	PASS
Band2	9538	3	4.066	4.65	---	PASS
Band2	9538	4	4.066	4.66	---	PASS
Band5	4132	1	4.076	4.67	---	PASS
Band5	4132	2	4.066	4.66	---	PASS
Band5	4132	3	4.076	4.67	---	PASS
Band5	4132	4	4.066	4.65	---	PASS
Band5	4182	1	4.076	4.67	---	PASS
Band5	4182	2	4.086	4.68	---	PASS
Band5	4182	3	4.086	4.67	---	PASS
Band5	4182	4	4.096	4.66	---	PASS
Band5	4233	1	4.086	4.70	---	PASS
Band5	4233	2	4.086	4.71	---	PASS
Band5	4233	3	4.076	4.68	---	PASS
Band5	4233	4	4.076	4.65	---	PASS

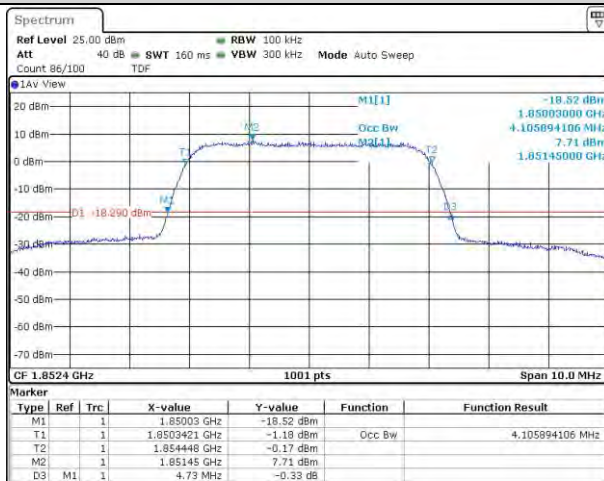
HSUPA

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.196	4.75	---	PASS
Band2	9262	2	4.196	4.74	---	PASS
Band2	9262	3	4.196	4.74	---	PASS
Band2	9262	4	4.196	4.73	---	PASS
Band2	9262	5	4.196	4.75	---	PASS
Band2	9400	1	4.196	4.73	---	PASS
Band2	9400	2	4.196	4.72	---	PASS
Band2	9400	3	4.196	4.74	---	PASS
Band2	9400	4	4.186	4.72	---	PASS
Band2	9400	5	4.196	4.72	---	PASS
Band2	9538	1	4.216	4.76	---	PASS
Band2	9538	2	4.206	4.75	---	PASS
Band2	9538	3	4.206	4.73	---	PASS
Band2	9538	4	4.206	4.74	---	PASS
Band2	9538	5	4.196	4.73	---	PASS
Band5	4132	1	4.196	4.74	---	PASS
Band5	4132	2	4.196	4.75	---	PASS
Band5	4132	3	4.186	4.74	---	PASS
Band5	4132	4	4.206	4.74	---	PASS
Band5	4132	5	4.186	4.74	---	PASS
Band5	4182	1	4.196	4.75	---	PASS
Band5	4182	2	4.186	4.73	---	PASS
Band5	4182	3	4.196	4.74	---	PASS
Band5	4182	4	4.196	4.73	---	PASS
Band5	4182	5	4.166	4.79	---	PASS
Band5	4233	1	4.206	4.73	---	PASS
Band5	4233	2	4.186	4.74	---	PASS
Band5	4233	3	4.196	4.73	---	PASS
Band5	4233	4	4.196	4.74	---	PASS
Band5	4233	5	4.176	4.74	---	PASS

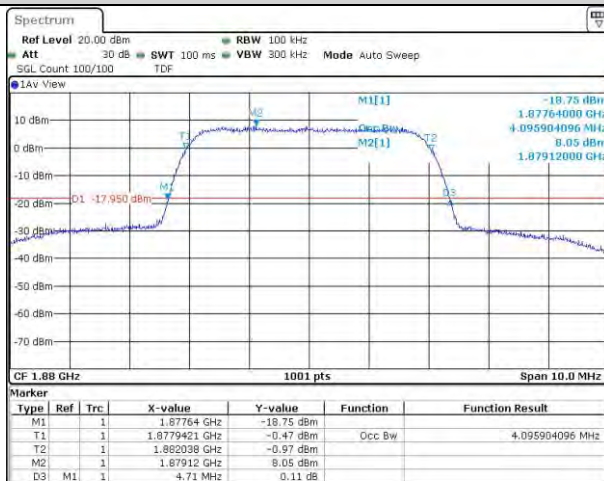
Test Graphs

RCM

Band2-9262-4.73



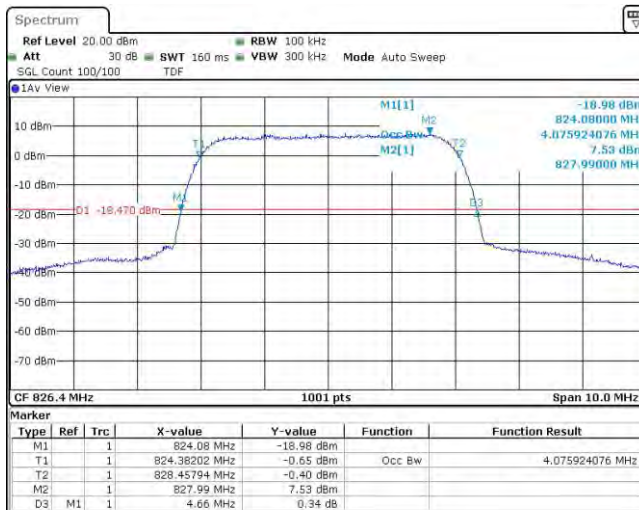
Band2-9400-4.71



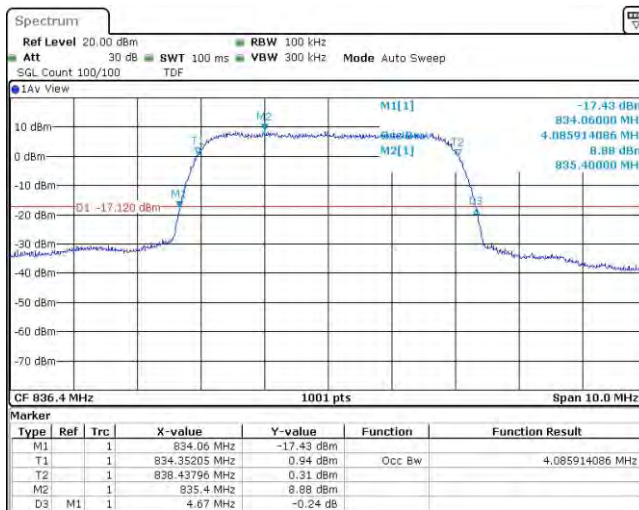
Band2-9538-4.69



Band5-4132-4.66



Band5-4182-4.67

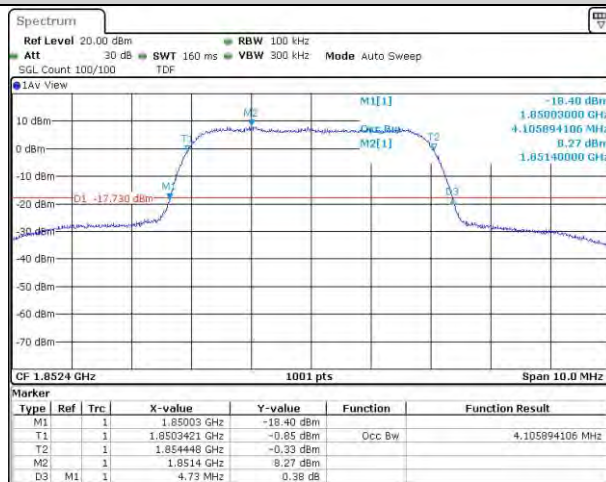


Band5-4233-4.71

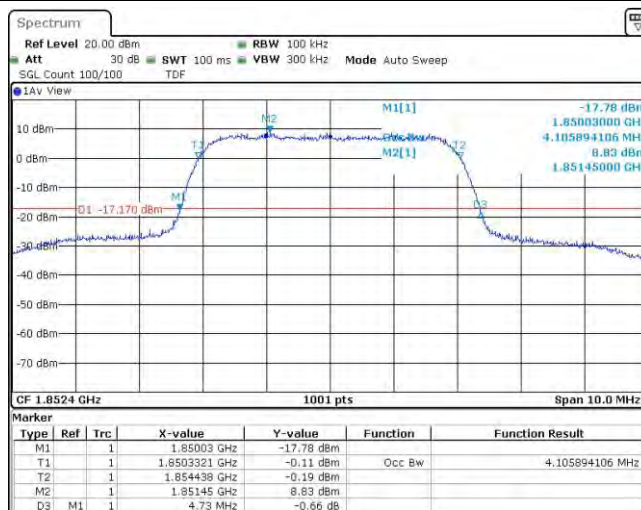


HSDPA

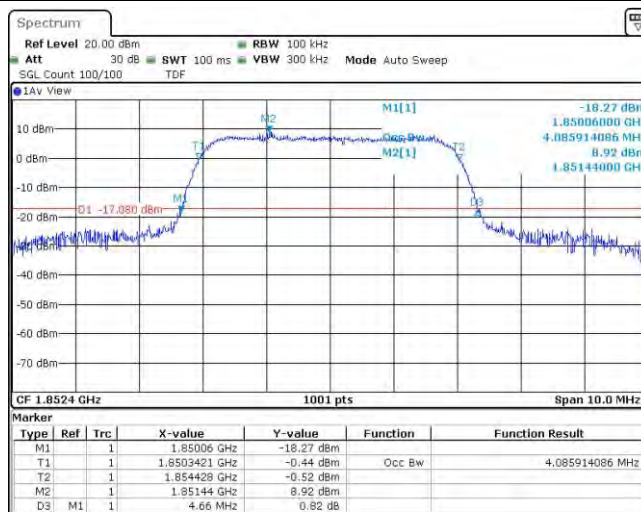
Band2-9262-1-4.73



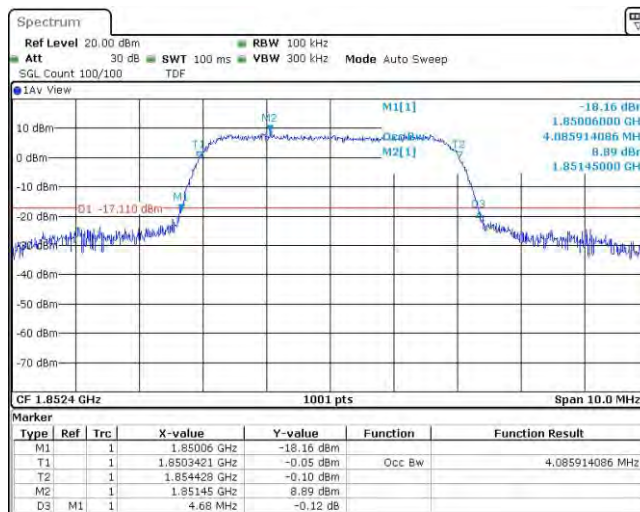
Band2-9262-2-4.73



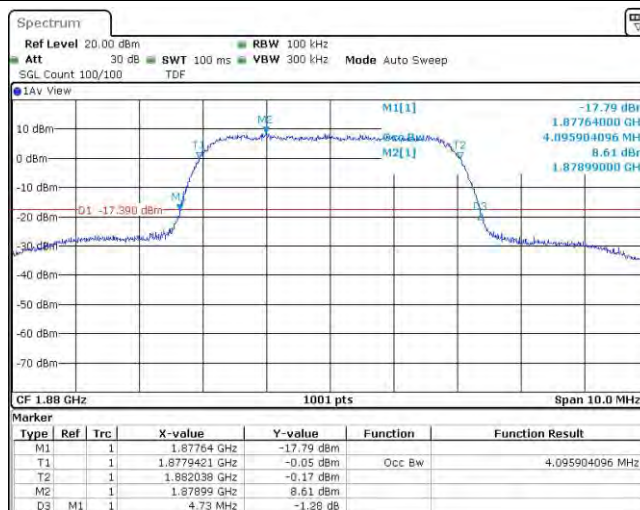
Band2-9262-3-4.66



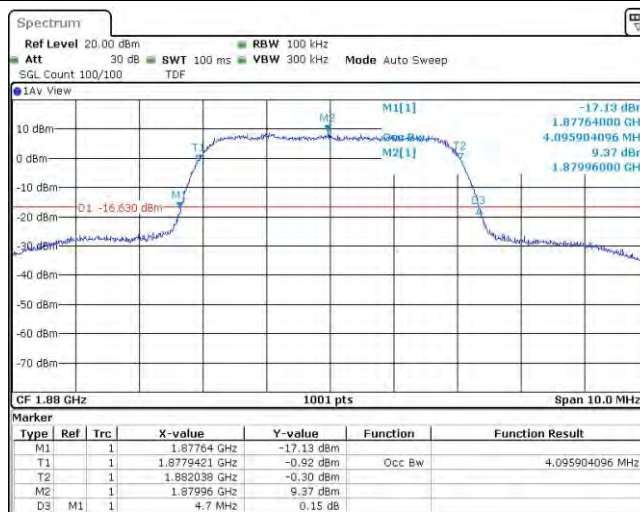
Band2-9262-4-4.68



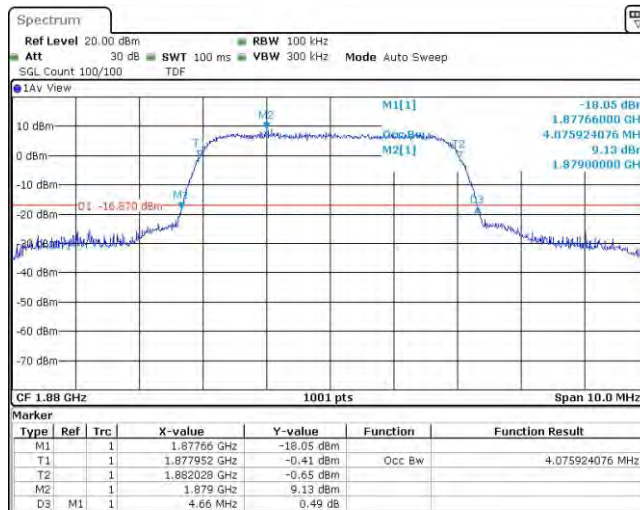
Band2-9400-1-4.73



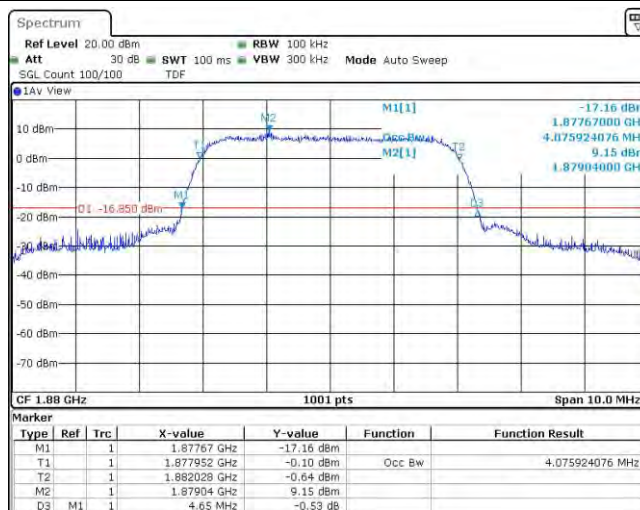
Band2-9400-2-4.70



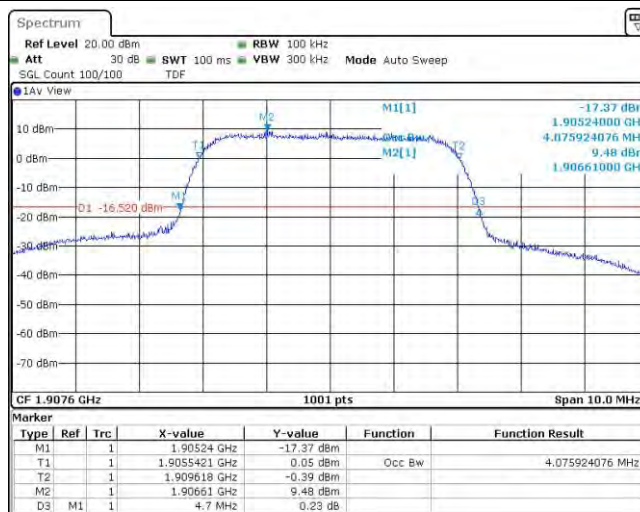
Band2-9400-3-4.66



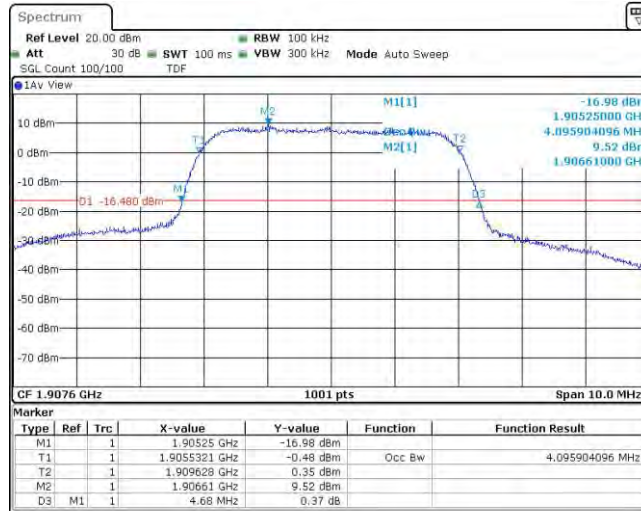
Band2-9400-4-4.65



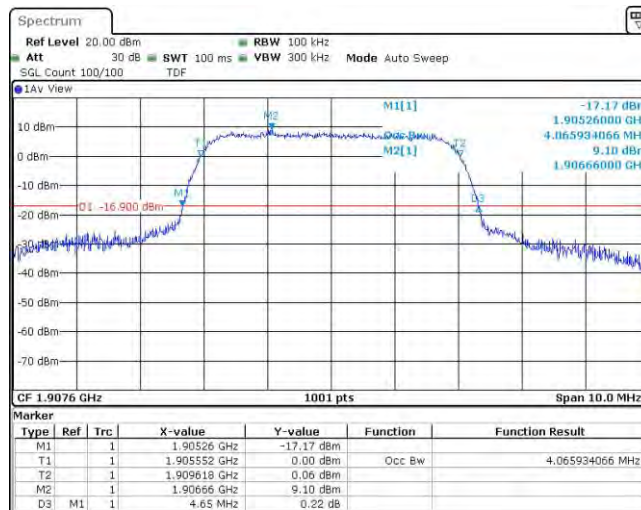
Band2-9538-1-4.70



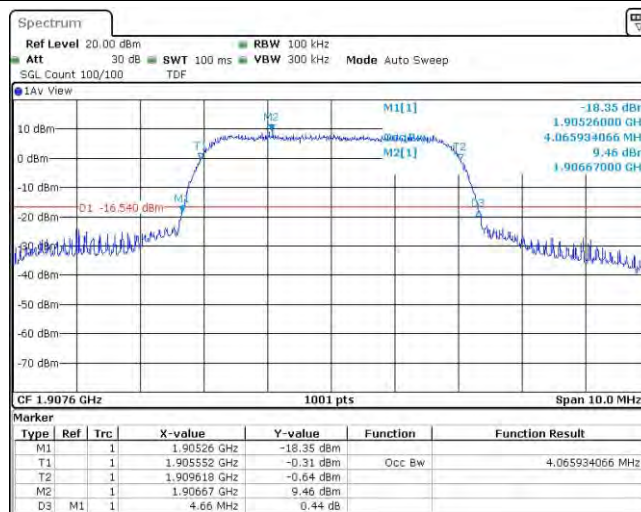
Band2-9538-2-4.68



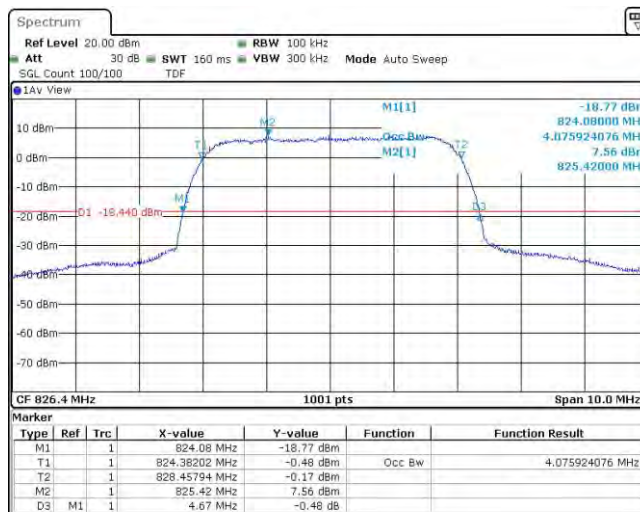
Band2-9538-3-4.65



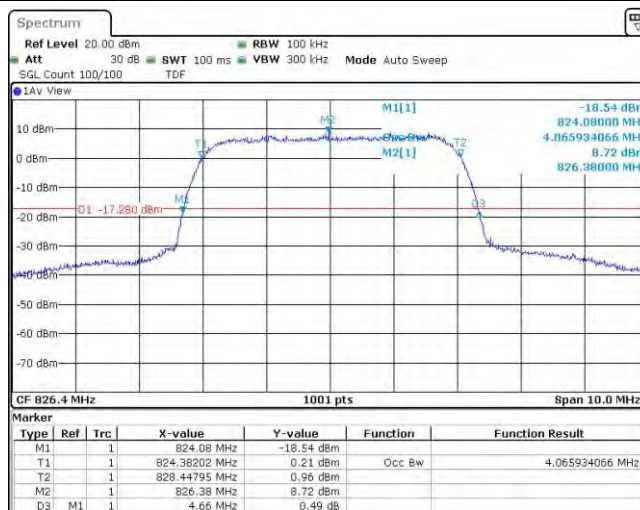
Band2-9538-4-4.66



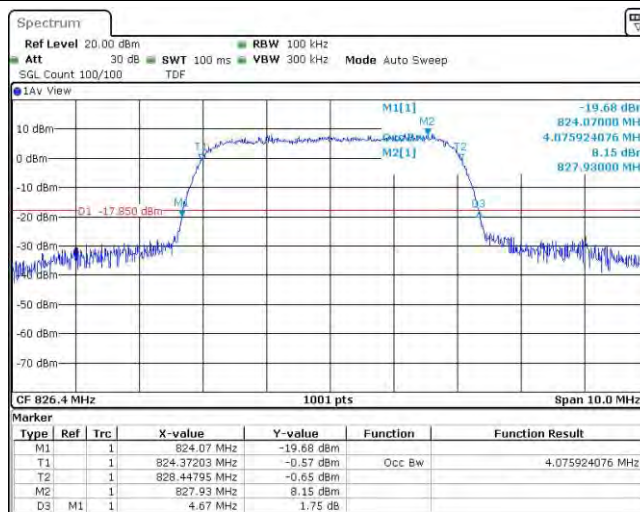
Band5-4132-1-4.67



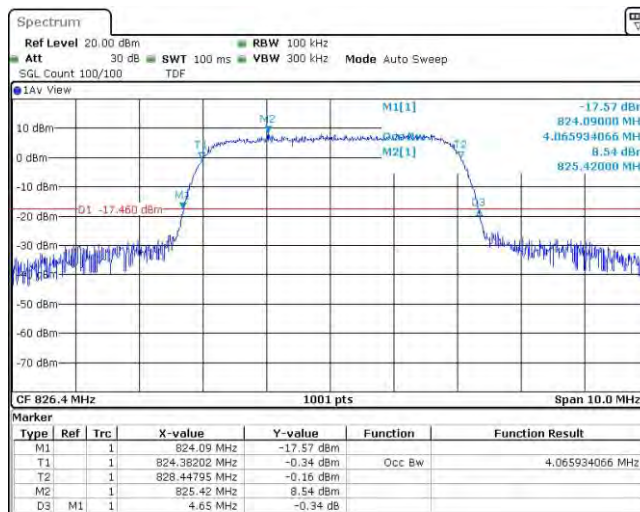
Band5-4132-2-4.66



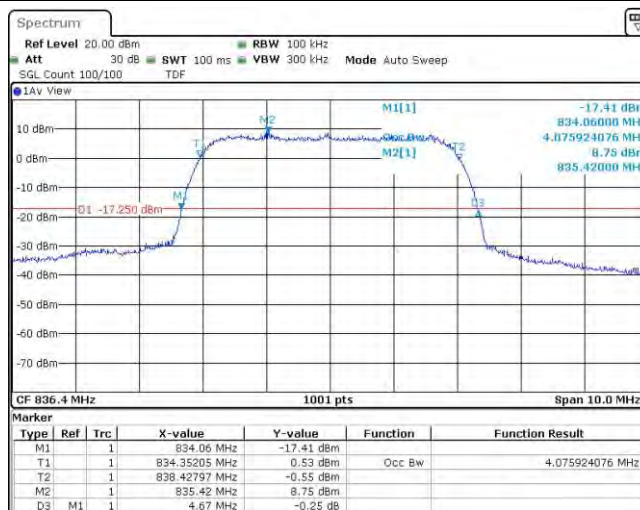
Band5-4132-3-4.67



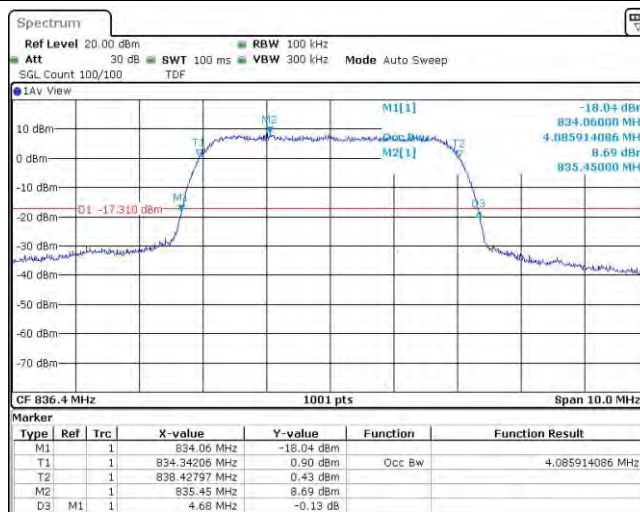
Band5-4132-4-4.65



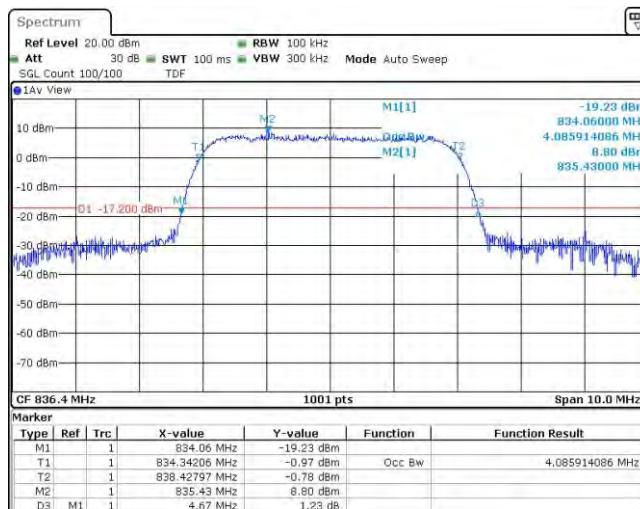
Band5-4182-1-4.67



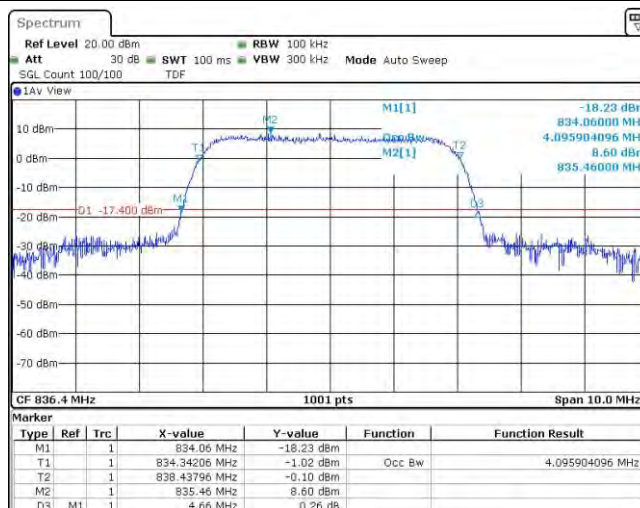
Band5-4182-2-4.68



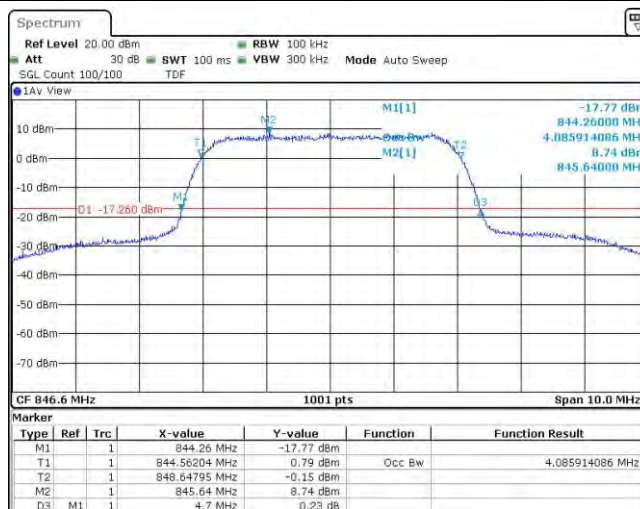
Band5-4182-3-4.67



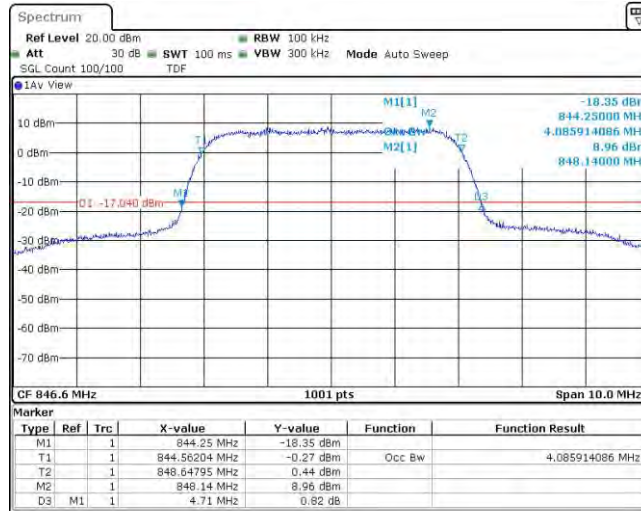
Band5-4182-4-4.66



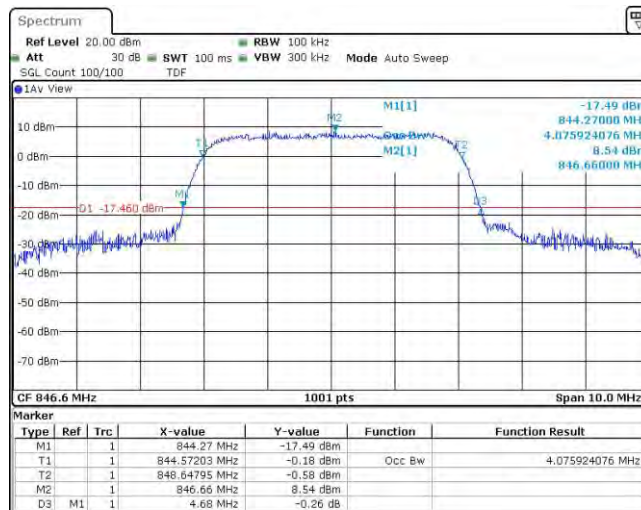
Band5-4233-1-4.70



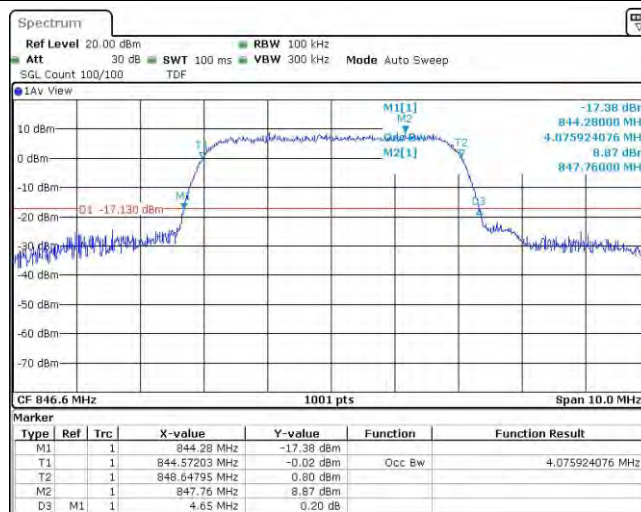
Band5-4233-2-4.71



Band5-4233-3-4.68



Band5-4233-4-4.65

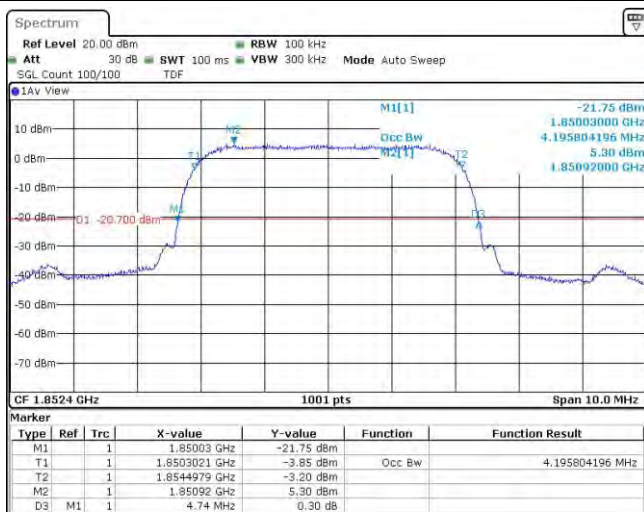


HSuPA

Band2-9262-1-4.75



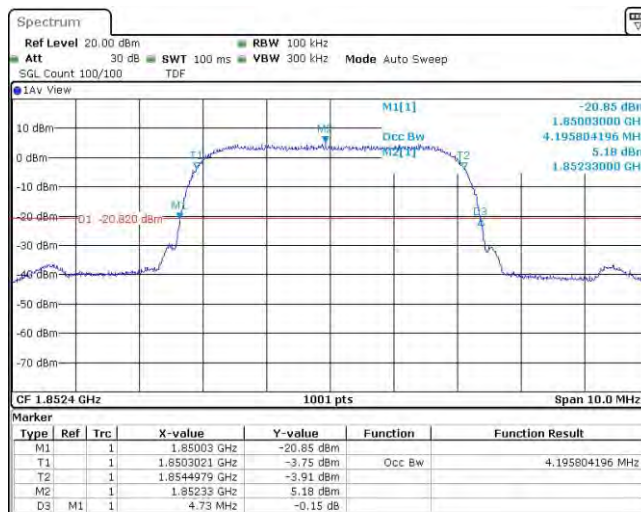
Band2-9262-2-4.74



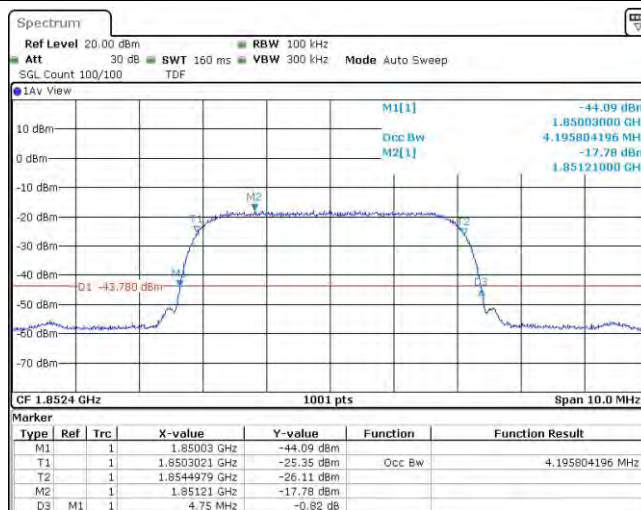
Band2-9262-3-4.74



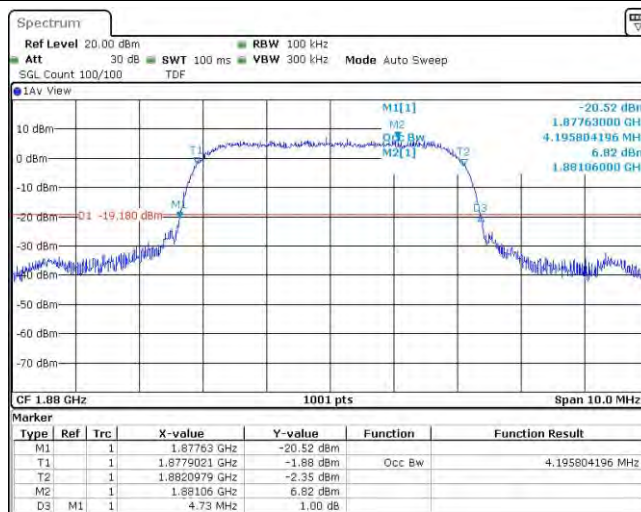
Band2-9262-4-4.73



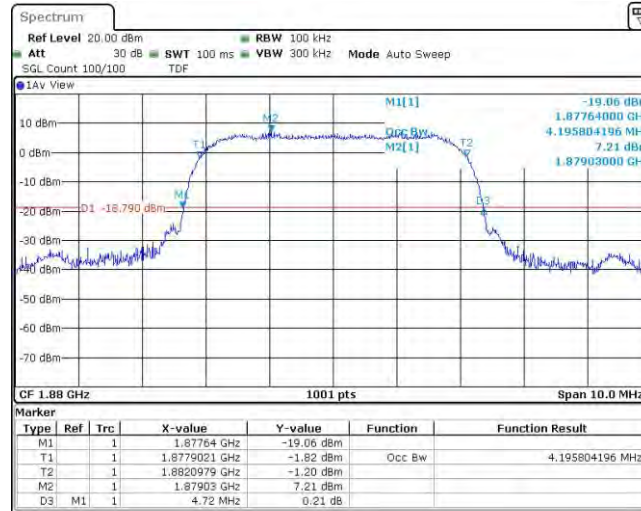
Band2-9262-5-4.75



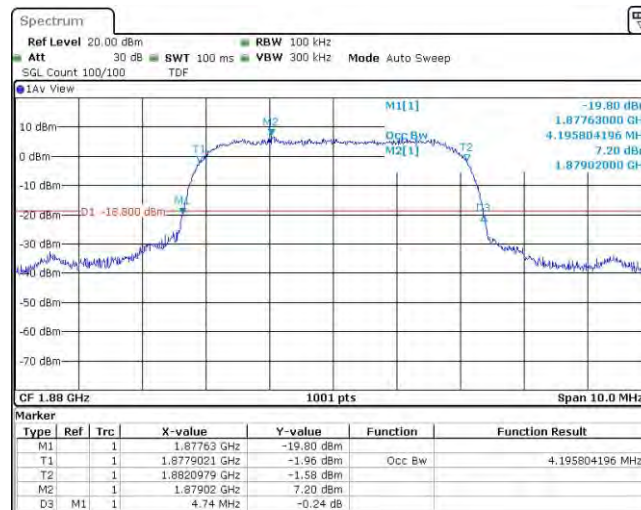
Band2-9400-1-4.73



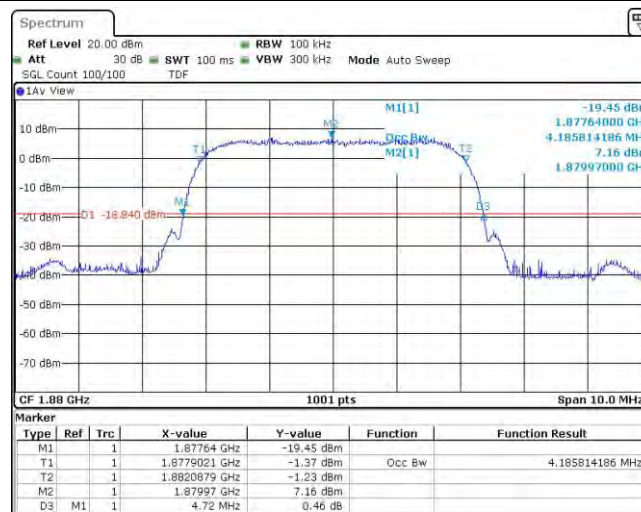
Band2-9400-2-4.72



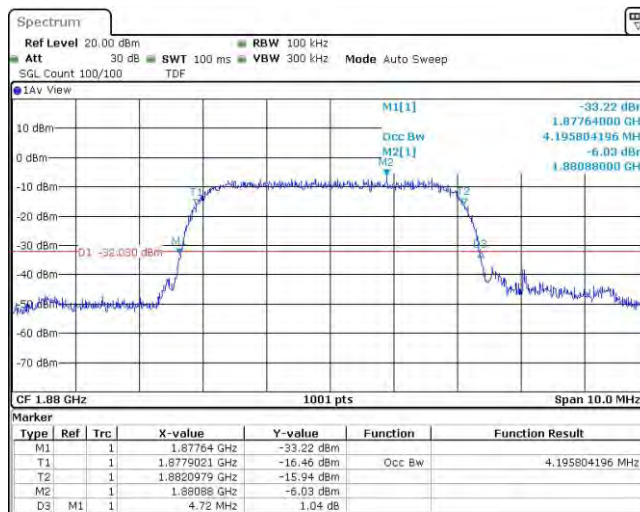
Band2-9400-3-4.74



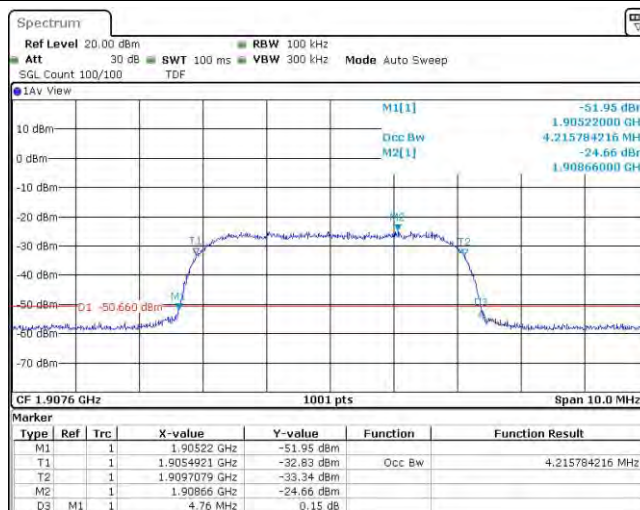
Band2-9400-4-4.72



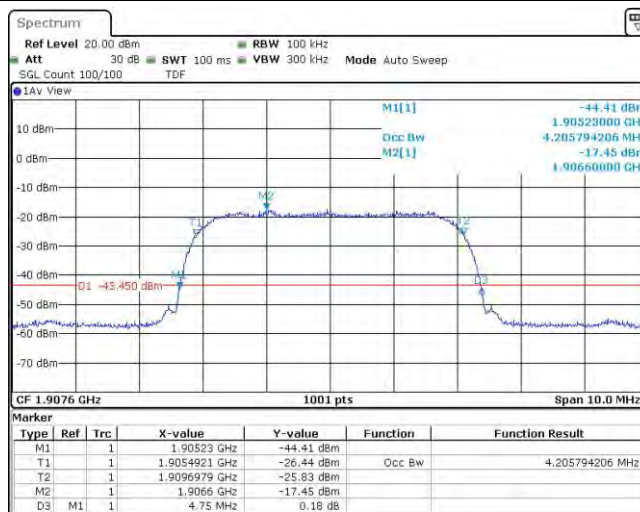
Band2-9400-5-4.72



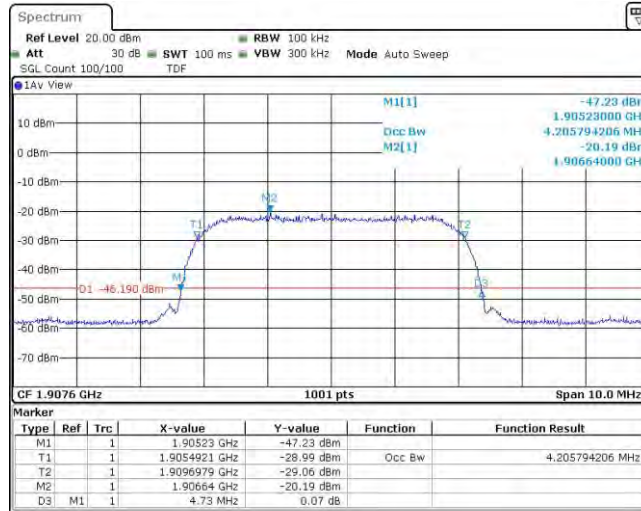
Band2-9538-1-4.76



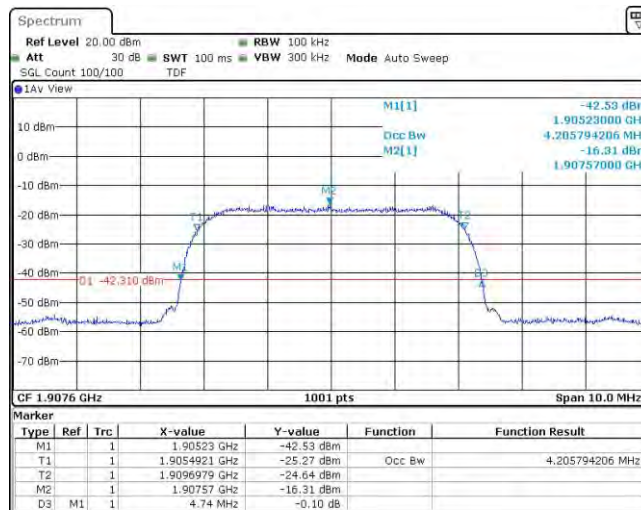
Band2-9538-2-4.75



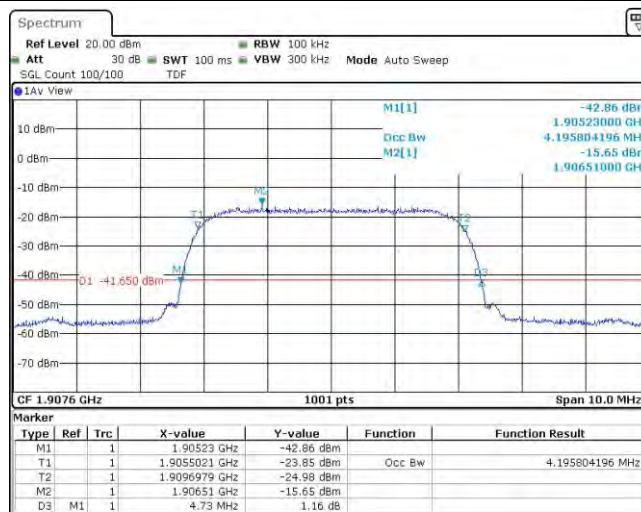
Band2-9538-3-4.73



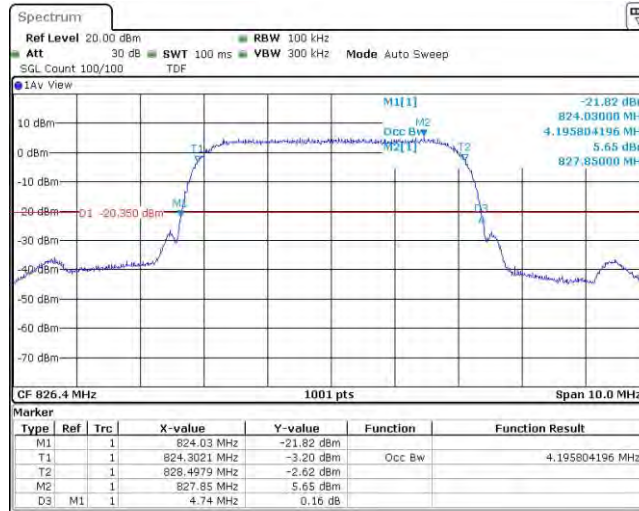
Band2-9538-4-4.74



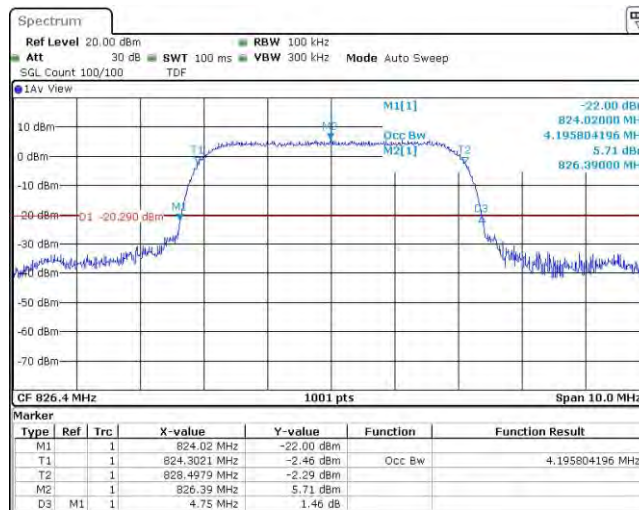
Band2-9538-5-4.73



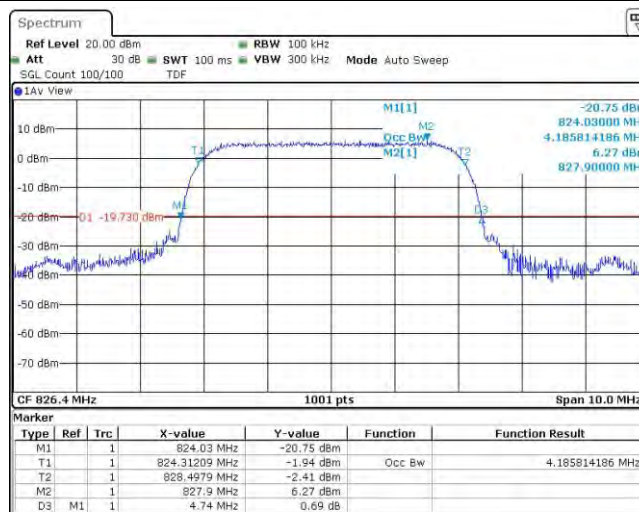
Band5-4132-1-4.74



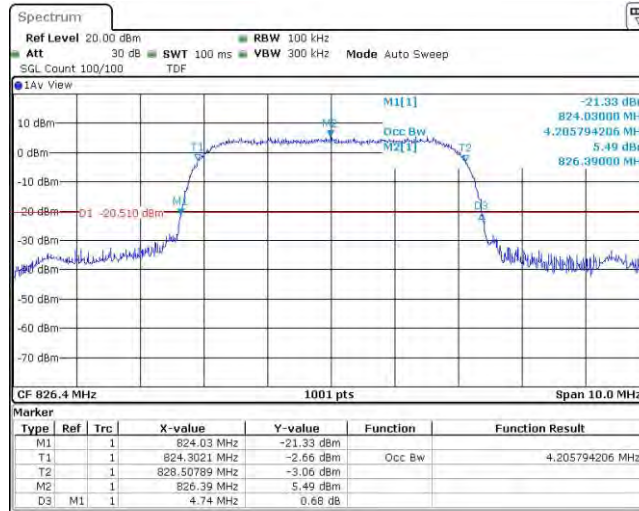
Band5-4132-2-4.75



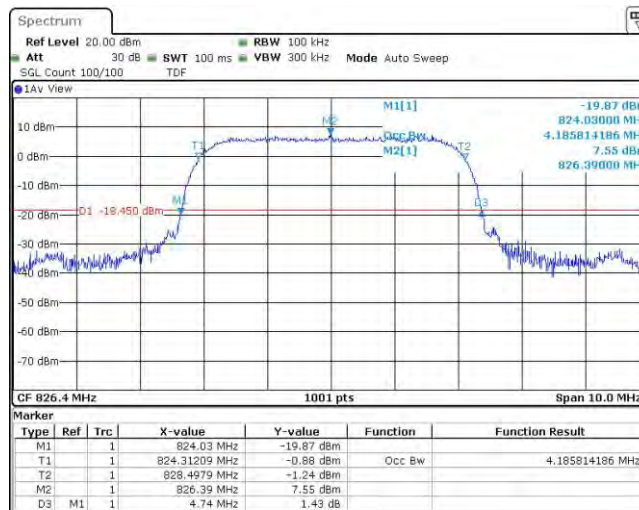
Band5-4132-3-4.74



Band5-4132-4-4.74



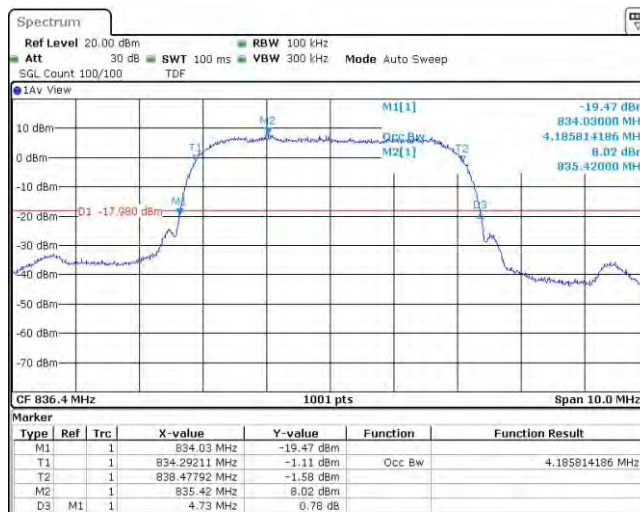
Band5-4132-5-4.74



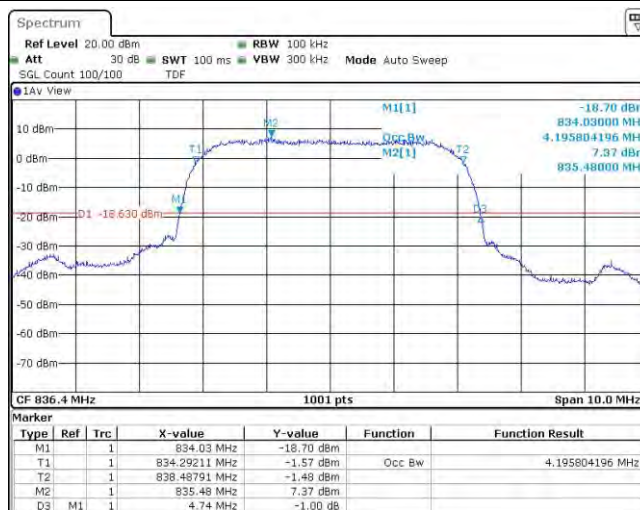
Band5-4182-1-4.75



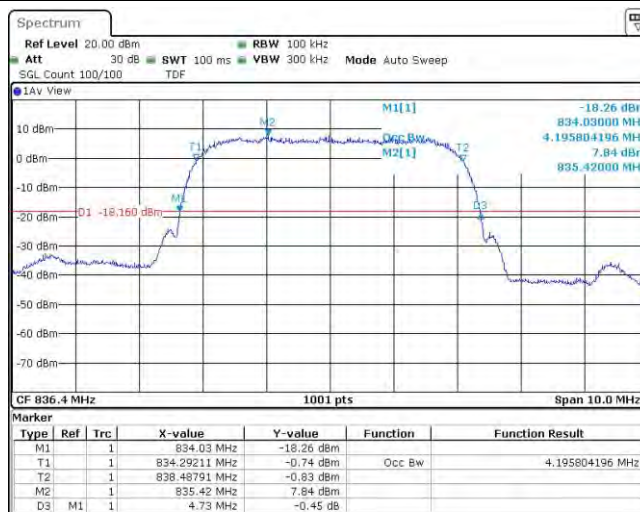
Band5-4182-2-4.73



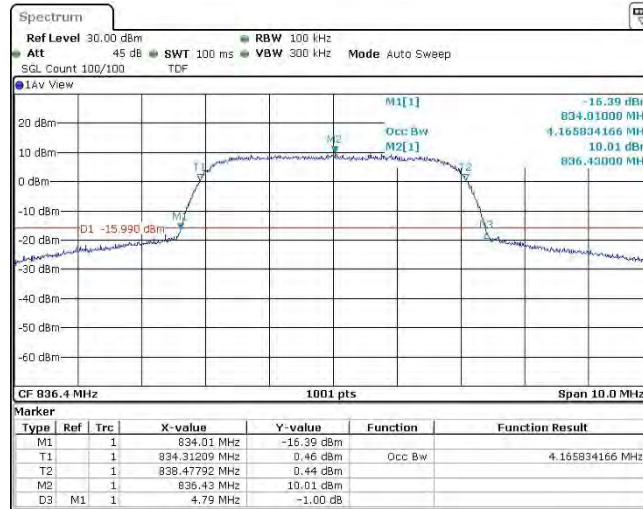
Band5-4182-3-4.74



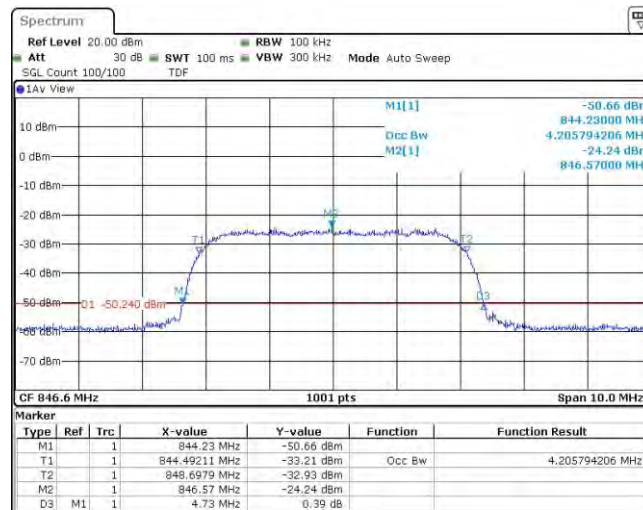
Band5-4182-4-4.73



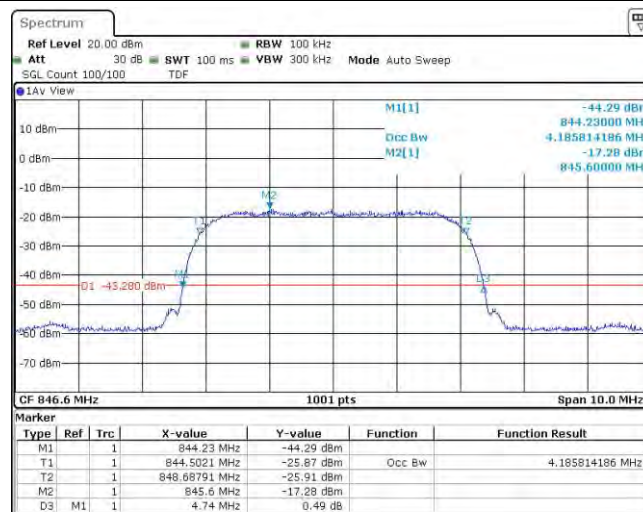
Band5-4182-5-4.79



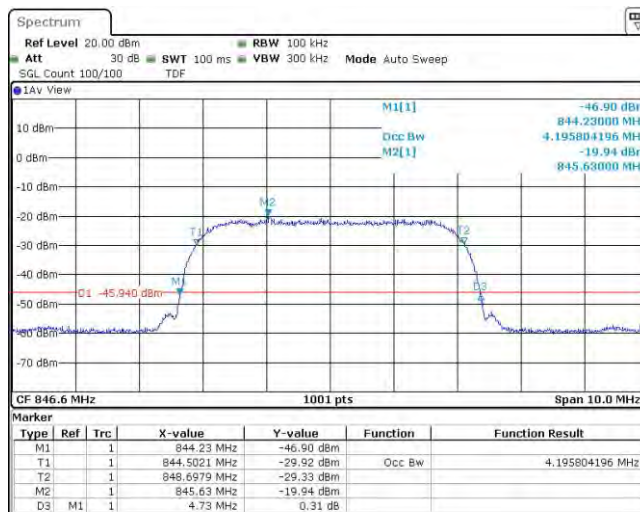
Band5-4233-1-4.73



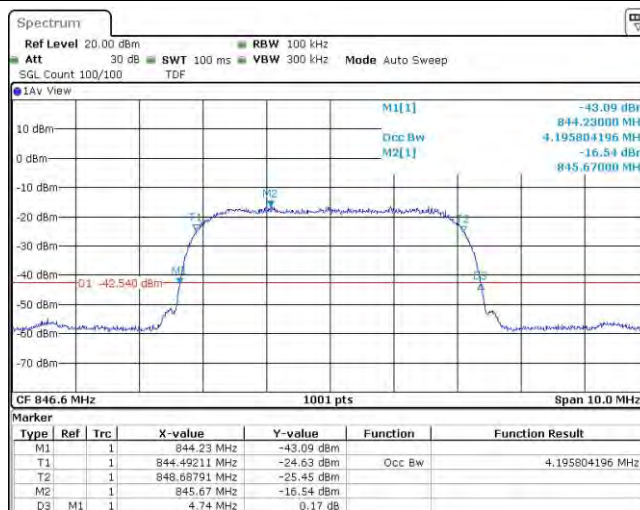
Band5-4233-2-4.74



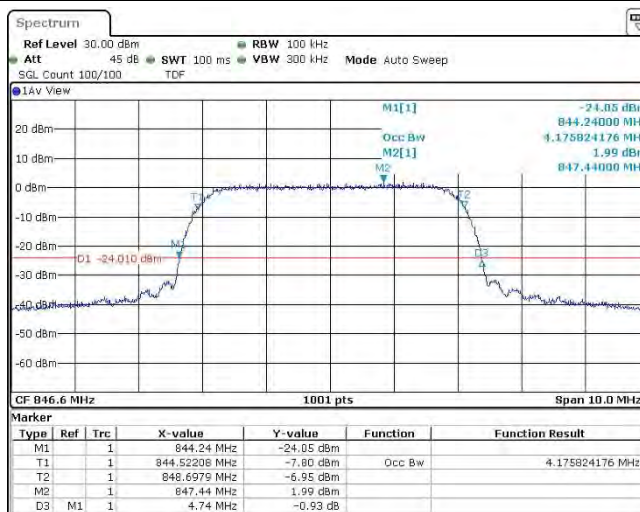
Band5-4233-3-4.73



Band5-4233-4-4.74



Band5-4233-5-4.74



AppendixD: Band Edge

Test Result

RCM

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.14	-13	PASS
Band2	9538	1910.00	-24.22	-13	PASS
Band5	4132	824.00	-30.07	-13	PASS
Band5	4233	849.01	-20.64	-13	PASS

HSDPA

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-21.07	-13	PASS
Band2	9262	2	1850.00	-20.31	-13	PASS
Band2	9262	3	1850.00	-22.40	-13	PASS
Band2	9262	4	1850.00	-22.95	-13	PASS
Band2	9538	1	1910.01	-23.09	-13	PASS
Band2	9538	2	1910.00	-23.32	-13	PASS
Band2	9538	3	1910.00	-24.21	-13	PASS
Band2	9538	4	1910.00	-24.82	-13	PASS
Band5	4132	1	824.00	-28.16	-13	PASS
Band5	4132	2	824.00	-28.27	-13	PASS
Band5	4132	3	824.00	-28.31	-13	PASS
Band5	4132	4	823.98	-27.00	-13	PASS
Band5	4233	1	849.00	-20.62	-13	PASS
Band5	4233	2	849.00	-21.05	-13	PASS
Band5	4233	3	849.01	-23.00	-13	PASS
Band5	4233	4	849.00	-22.41	-13	PASS

HSUPA

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-27.23	-13	PASS
Band2	9262	2	1850.00	-26.49	-13	PASS
Band2	9262	3	1850.00	-24.70	-13	PASS
Band2	9262	4	1849.99	-25.61	-13	PASS
Band2	9262	5	1850.00	-24.57	-13	PASS
Band2	9538	1	1910.00	-24.09	-13	PASS
Band2	9538	2	1910.00	-24.41	-13	PASS
Band2	9538	3	1910.00	-23.44	-13	PASS
Band2	9538	4	1910.00	-24.92	-13	PASS
Band2	9538	5	1910.00	-28.67	-13	PASS
Band5	4132	1	824.00	-27.49	-13	PASS
Band5	4132	2	824.00	-25.07	-13	PASS
Band5	4132	3	824.00	-24.62	-13	PASS
Band5	4132	4	823.99	-26.19	-13	PASS
Band5	4132	5	824.00	-24.04	-13	PASS
Band5	4233	1	849.00	-24.79	-13	PASS
Band5	4233	2	849.00	-24.63	-13	PASS
Band5	4233	3	849.00	-23.86	-13	PASS
Band5	4233	4	849.01	-24.69	-13	PASS
Band5	4233	5	849.00	-29.12	-13	PASS

Test Graphs

RCM

Band2-9262



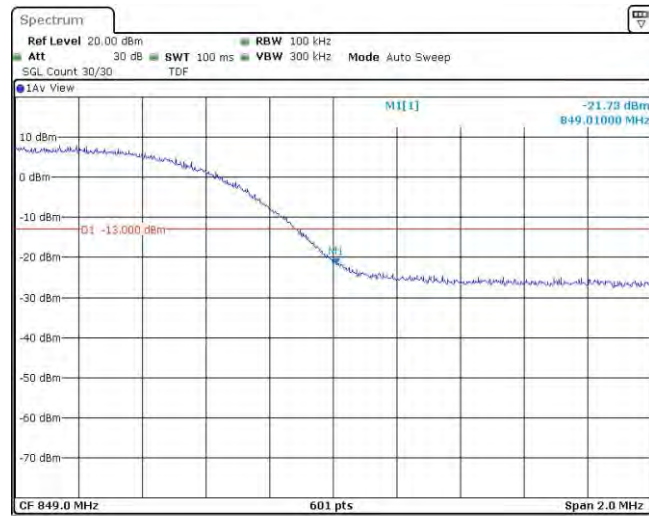
Band2-9538



Band5-4132



Band5-4233



HSDPA

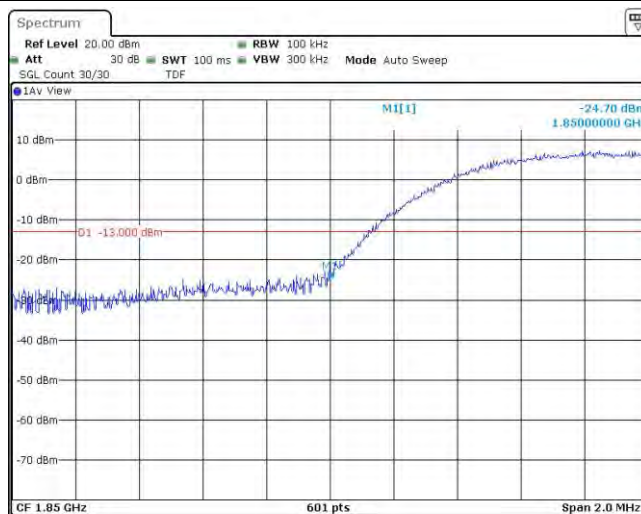
Band2-9262-1



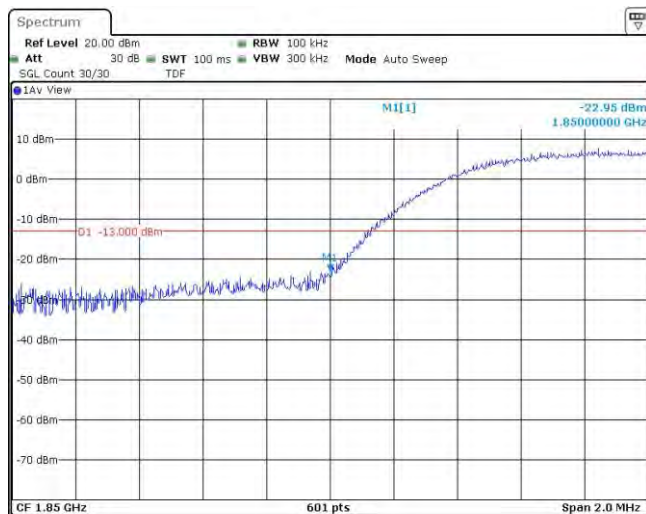
Band2-9262-2



Band2-9262-3



Band2-9262-4



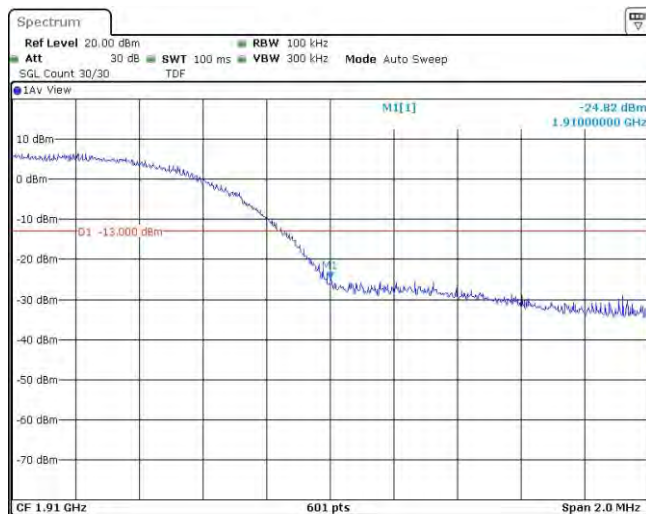
Band2-9538-1



Band2-9538-2



Band2-9538-3



Band2-9538-4



Band5-4132-1



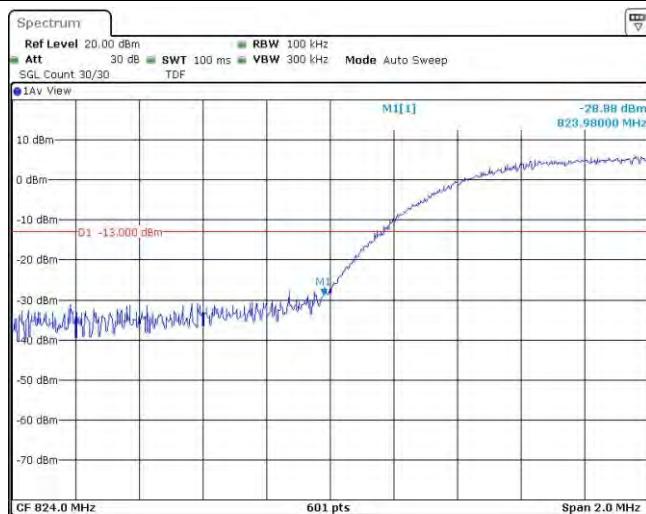
Band5-4132-2



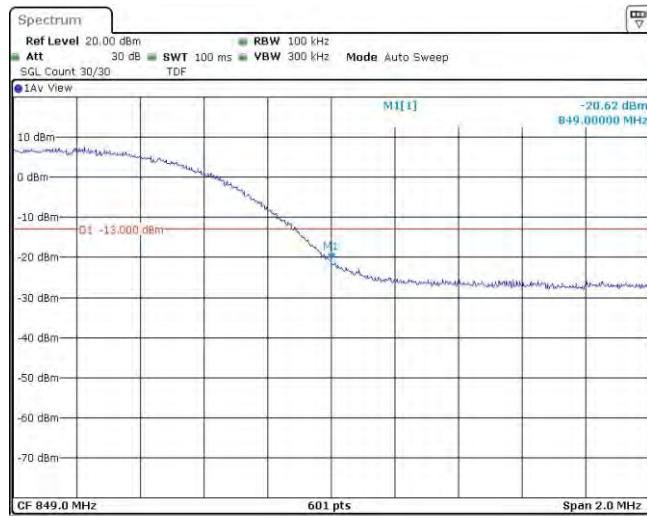
Band5-4132-3



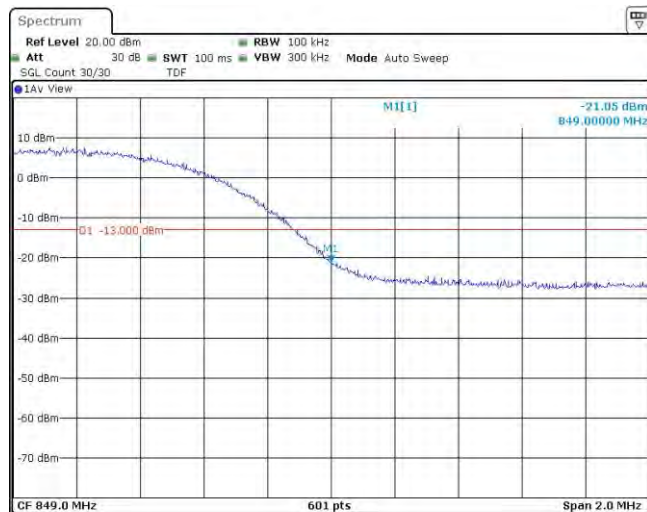
Band5-4132-4



Band5-4233-1



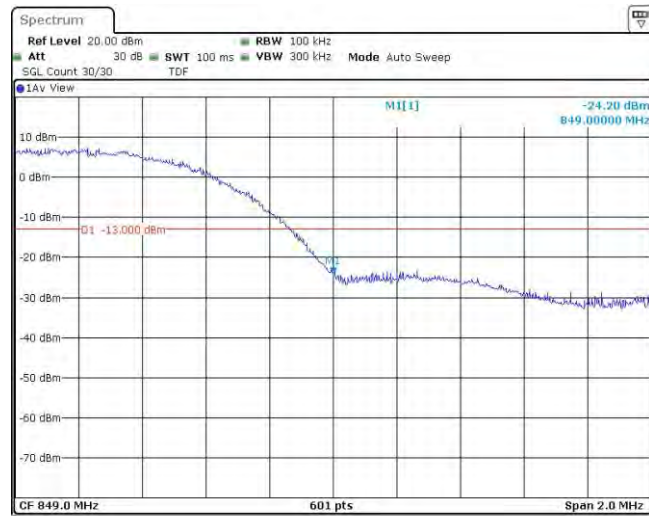
Band5-4233-2



Band5-4233-3



Band5-4233-4



HSUPA

Band2-9262-1



Band2-9262-2



Band2-9262-3



Band2-9262-4



Band2-9262-5



Band2-9538-1

